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Ontario Geological Survey
Open File Report 6061

Montreal River Headwaters Area Lake Sediment Survey, Northern Ontario: Gold and PGE Data–Operation Treasure Hunt

2001

101-06875/

Ontario

ONTARIO GEOLOGICAL SURVEY

Open File Report 6061

Montreal River Headwaters Area Lake Sediment Survey, Northern Ontario: Gold and PGE Data–Operation Treasure Hunt

by

Ontario Geological Survey

2001

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ABSTRACT

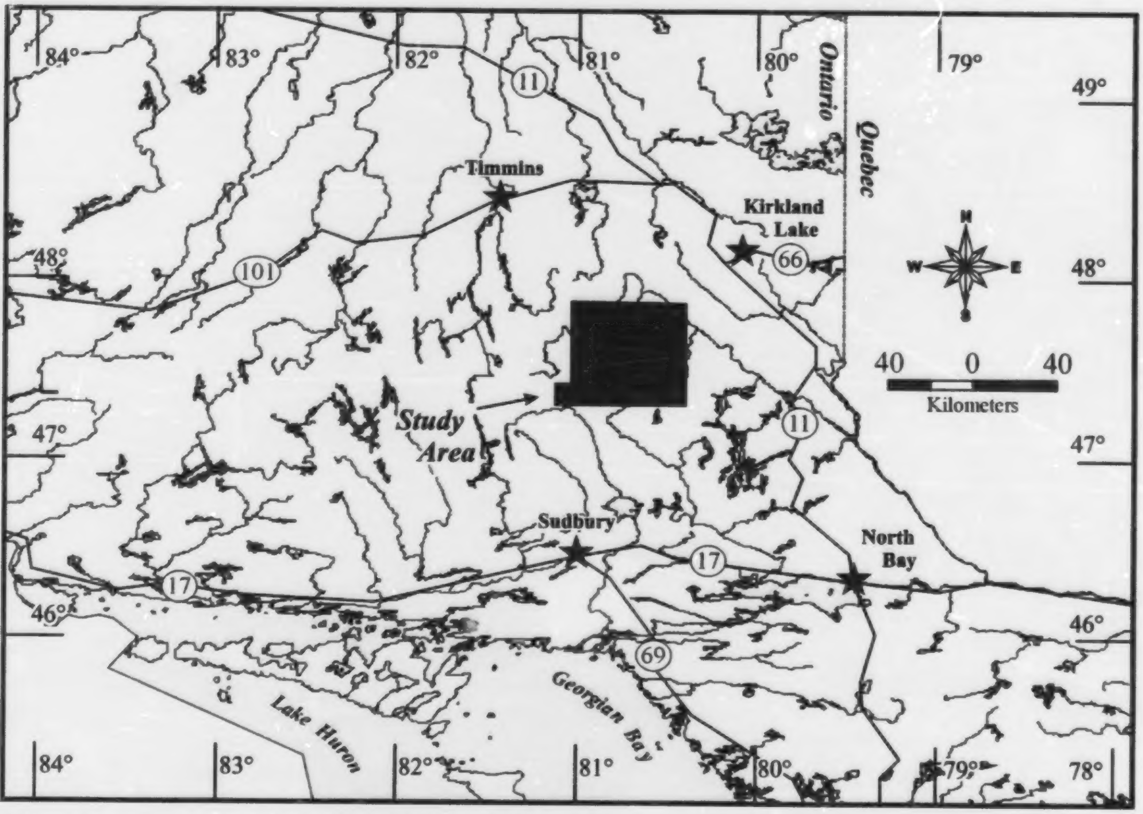
The Ontario Geological Survey conducted a high density lake sediment and water geochemical survey of the Montreal River headwaters area of Northern Ontario in the summer of 1996. The survey area is centered on Gowganda, Ontario located approximately 120 km north of Sudbury, Ontario. Lake sediment and water samples were collected at 1336 sample sites and analyzed for 56 elements. Open File Report 5962 was published in 1997 and contains the results of these analyses. Under the auspices of Operation Treasure Hunt, archived lake sediment samples from 790 sites were re-analyzed for gold (Au) and platinum-group elements (PGE). Preliminary interpretation of the results of this new data has outlined 17 anomalous areas. The anomalous areas have been loosely ranked in order of their exploration interest. The first 7 anomalous areas outlined in this report are considered the most significant: 4 of these were open for staking as of March 2001. Digital geochemical data for this report is available separately as Miscellaneous Release Data (MRD-80).

INTRODUCTION

Fieldwork for a high density lake sediment and water geochemical survey in the Montreal River headwaters area (Figure 1) was carried out in the summer of 1996. The survey area is located approximately half way between Timmins and Sudbury, centered on Gowganda, Ontario, and covers about 2700 km^2. The survey completely covered the area defined by National Topographic System (NTS) 1:50 000 scale maps sheet 41P/10 and partially covered the area outlined by map sheets 41P/6, 41P/7, 41P/8, 41P/9, 41P/11, 41P/14, 41P/15 and 41P/16.

The region has also been covered by a low density national geochemical reconnaissance (NGR) lake sediment and water program completed during the late 1980s by the Geological Survey of Canada (Hornbrook and Friske 1988).

A report detailing the results of geochemical analyses for 56 elements from this survey area have been previously released (Hamilton 1997). The current report outlines the results of analyses of archived sample material for Pt, Pd and Au by a lead fire assay (FA)/Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) analytical method.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40
Kilometers
Study Area
11
47°
Sudbury
17
North Bay
17
46°
69
Georgian Bay
Lake Huron
78°

Figure 1: Location map of the Montreal River headwaters area

BEDROCK GEOLOGY

Archean aged supracrustal rocks underlie 2 regions of the survey area (Figure 2). Interlayered metavolcanic and metasedimentary rocks occur along the western edge of the survey area in Knight, Tyrrell and Leonard townships. The supracrustal rocks in this area are comprised of north-northwest striking komatiitic flows and pyroclastics, tholeiitic and calc-alkalic mafic to felsic metavolcanic rocks with associated pyroclastic rocks and clastic metasedimentary rocks (Carter 1987). Mafic to felsic plutonic rocks intrude all of the above lithologies. The second area, located in the north-central portion of the survey area, consists of an inlier of dominantly mafic metavolcanic rocks intruded by serpentinized dunitic bodies and granitic plutons (McIlwaine 1978). Smaller inliers of dominantly Archean felsic plutonic rocks are mapped in Ogilvie, Dufferin, Lawson and Farr townships.

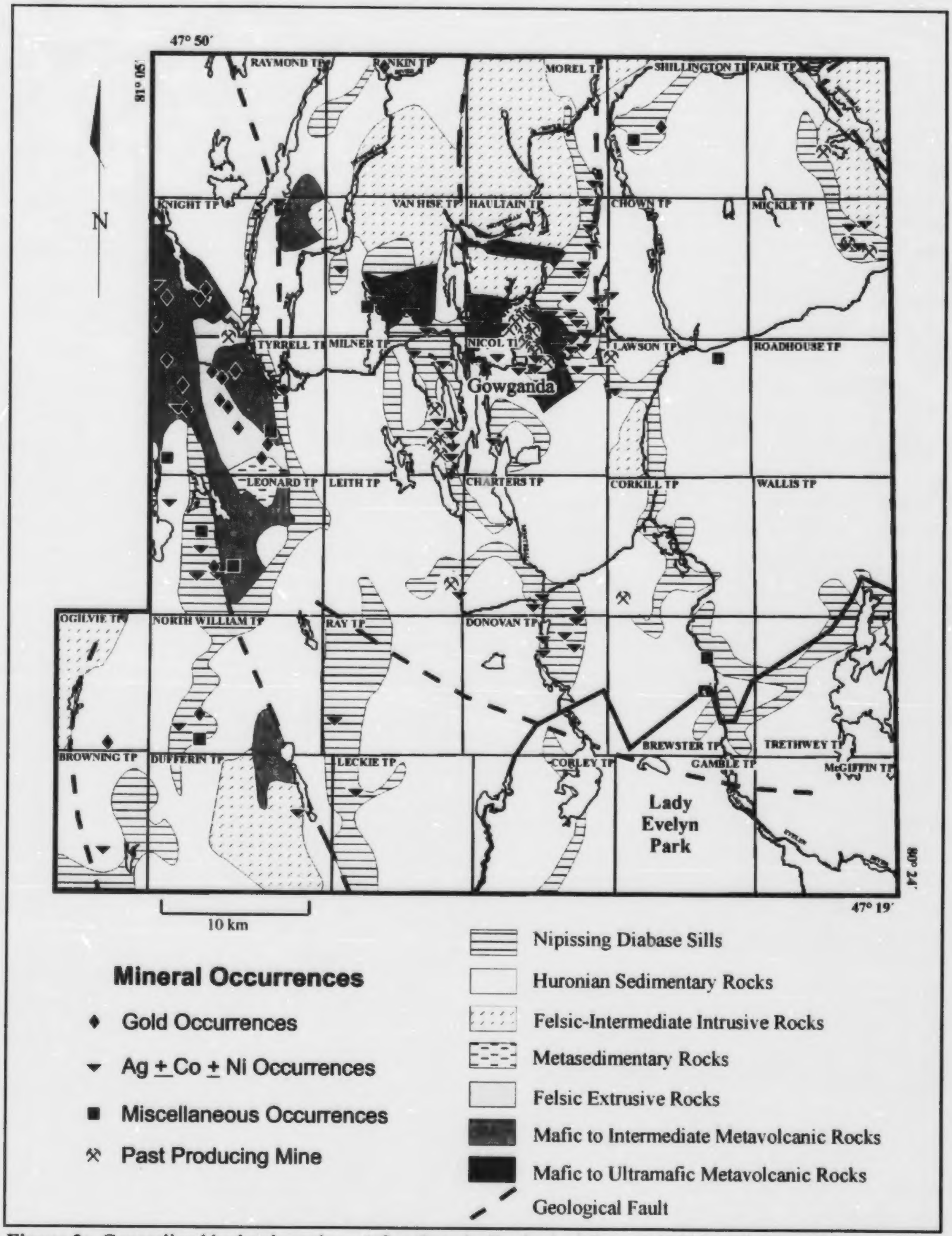
Proterozoic metasedimentary rocks and Nipissing diabase intrusive sills and dikes underlie the majority of the survey area. Clastic metasedimentary rocks of the Huronian Supergroup (Lorrain and Gowganda formations) lie unconformably upon the Archean basement rocks. The Huronian Supergroup sequence is intruded by numerous gabbroic sills, dikes and sheets that have been referred to as Nipissing diabase by several authors.

The most economically important mineral deposits exploited in the survey area have been the silver-cobalt sulpharsenide veins. All of the economic deposits occur in close proximity to the Archean-Huronian unconformity where Nipissing gabbro and Archean volcanic sequences coincide (Andrews et al. 1986). All economic deposits are spatially associated with the Nipissing gabbro and occur within the gabbro or within 200 m of its upper and lower contacts (Andrews et al. 1986).

Shear hosted gold mineralization is known from the metavolcanic assemblage located along the western edge of the survey area. The Tyranite Mine, situated along the Knight-Tyrrell township boundary, produced over 31,000 ounces of Au and 4800 ounces of Ag (Carter 1977a). The mineralization is hosted within 2 parallel north trending carbonatized, silicified and pyritized shear zones along the contact between an andesite flow unit and a serpentized peridotite intrusion. Gold mineralization in the area is also known from quartz and quartz-carbonate veins in alkalic metavolcanic and granitoid rocks (Carter 1983).

Nickel mineralization in the survey area is known from komatiitic ultramafic rocks in Knight Township (Carter 1983). The mineralization is associated with a northwesterly striking ultramafic rock and hosted within an ultramafic lapilli tuff unit. Pentlandite is disseminated throughout this unit which was reported to be up to 240 m wide (Carter 1983). The potential of this ultramafic unit to host platinum group element (PGE) mineralization is not known. One lake sediment site, collected during the present survey in the vicinity of this ultramafic unit, returned significant values of Pt and Pd and is discussed below (Area 2).

Nickel-copper-PGE mineralization, associated with Nipissing gabbro intrusive rocks, is known from the Lake Wanapitei area located about 100 km south of the survey area. The mineralization exits as disseminations, lenses and pods of pyrrhotite, chalcopyrite and pyrite occurring within gabbroic and granophyric phases in the gabbro (Fyon et al. 1992).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TRETHEWEY TP
McGIFFIN TP
Lady Evelyn Park
80° 24′
47° 19′
10 km
Mineral Occurrences
♦ Gold Occurrences
▼ Ag ± Co ± Ni Occurrences
■ Miscellaneous Occurrences
⚒ Past Producing Mine
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault

Figure 2: Generalized bedrock geology (after Ontario Geological Survey 1991a) and mineral deposits in the Montreal River headwaters area.

PHYSIOGRAPHY AND QUATERNARY GEOLOGY

In general, the topography of the area is characterized by low to moderate relief with elevations ranging from 335 to 425 m (Roed 1979, Roed and Hallet 1979). The Quaternary geology has not been mapped in detail. A regional compilation by Barnett et al. (1991) indicates that approximately 50 percent of the area consists predominantly of a thin discontinuous veneer of till over bedrock (Figure 3). This type of terrain dominates in the northeastern, north-central and southern highland areas. Till dominated terrain is the next most extensive terrain type in the survey area. South trending esker complexes are composed of ice-contact stratified drift and have extensive sandy glaciofluvial deposits associated with them. The sand plains are typically flat lying and host few lakes. Numerous kettles, many of which contain lakes, characterize ice-contact deposits. The most recent glacial flow was to the south-southeast with an older ice-flow direction to the southwest.

SAMPLING METHODS

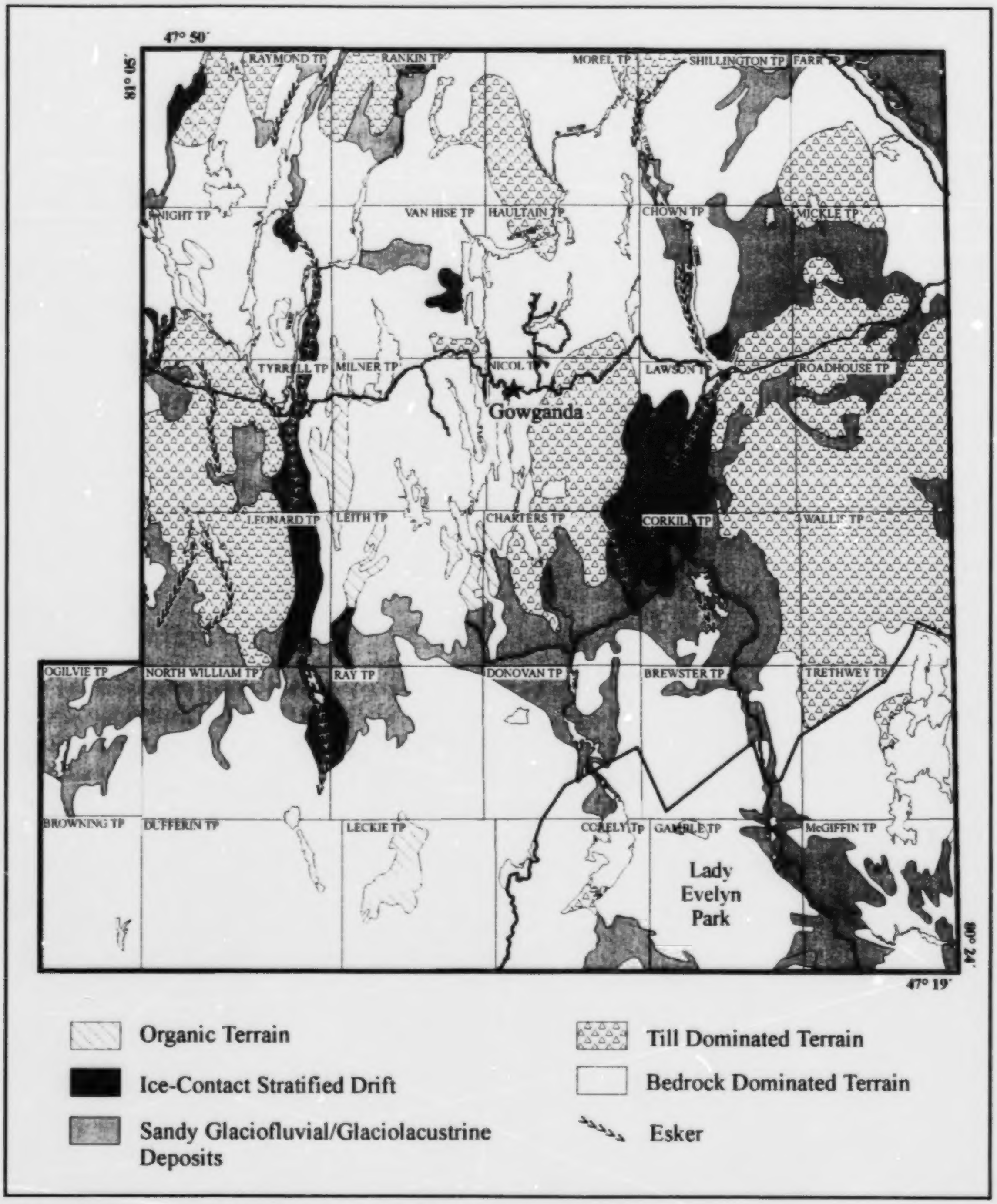
Organic lake sediment samples were collected from a helicopter float using the Ontario Geological Survey (OGS) designed gravity corer. In order to avoid anthropogenic influences and diagenetic cycling in the near surface environment, only deep sediment (>20 cm below the sediment surface) was collected. This sediment better reflects the effects of natural geochemical inputs that may be related to local geology.

SAMPLE PREPARATION AND ANALYTICAL METHODS

Lake sediment samples were homogenized and split into 120 and 380 ml sub-samples. The 120 ml samples were freeze dried (to retain volatile elements) and sieved to the –80 mesh size fraction. The 380 ml samples were oven dried (<80°) and pulverized in a ceramic mill followed by sieving to obtain the –80 mesh size fraction. Laboratory analysis on archived material for Au and PGEs was performed by lead fire assay followed by an Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) finish. Samples were analyzed in batches of 3, 5 and 10 g weights depending on the amount of available archived material. Of the original 1210 lake sediment samples collected in the 1996 survey, 790 contained sufficient pulp for the present Au and PGE analysis.

Samples with 10 g of material available for analysis had detection limits for Au, Pt and Pd of 3.0, 0.3 and 0.3 ppb respectively. Approximately 47 percent of the samples contained 5 g of material with the rest equally split between the 3 and 10 g weights. Samples with pulp weights less than 10 g contain slightly higher detection limits. For calculation and quality control purposes, all samples were considered to be at the 10 g weight level with respect to detection limits.

Loss-on-ignition (LOI) was determined at 500°C using an automated thermo-gravimetric furnace.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GAMBLE TP
McGIFFIN TP
Lady
Evelyn
Park
80° 24'
47° 19'
Organic Terrain
Till Dominated Terrain
Ice-Contact Stratified Drift
Bedrock Dominated Terrain
Sandy Glaciofluvial/Glaciolacustrine Deposits
Esker

Figure 3: Generalized Quaternary geology of the Montreal River headwaters area (after Barnett et al. 1991)

QUALITY CONTROL RESULTS

Analytical precision and accuracy of the lake sediment analyses was monitored using replicate analyses of certified reference material (LKSD-4) and sample pulp duplicates randomly placed in the sample sequence. Table 1 contains data for the median, range and estimates of precision for the elements analyzed.

		Lake Sediment (n=790)						LKSD-4 Reference Standard (n=18)		
Element	**Method**	**Units**	**MDL**	**Median**	**Range**		**Estimated Precision**	**Certified Value**	**Mean Q.C. Result**	**Coeff. of Variation**
					Min	**Max**				
Au	FA/ICP-MS	ppb	3	<3	<3	108	NA	2	<3	NA
Pd	FA/ICP-MS	ppb	0.3	0.9	<0.3	76.0	±1.7	NA	0.72	65.0
Pt	FA/ICP-MS	ppb	0.3	<0.3	<0.3	25.2	±0.8	NA	<0.3	NA
Rh*	FA/ICP-MS	ppb	0.3	<0.3	<0.3	1.4	NA	NA	<0.3	NA
LOI	Grav.	%	0.01	46.15	6.41	91.65	±1.41	40.80	40.83	0.68

1) MDL= Method Detection Limit
2) Coeff. Of Variation= Coefficient of Variation (%) obtained from certified reference material calculated as (standard deviation/mean)*100
3) Rh*= Rh data is provided but is considered **SEMI-QUANTITATIVE** only
4) FA/ICP-MS= Fire assay with an Induced Coupled Plasma-Mass Spectrometry finish
5) NA= Not Available
6) LOI= Loss-on-ignition @ 500°C
7) Estimated Precision at 95% confidence level based on 36 duplicate pairs

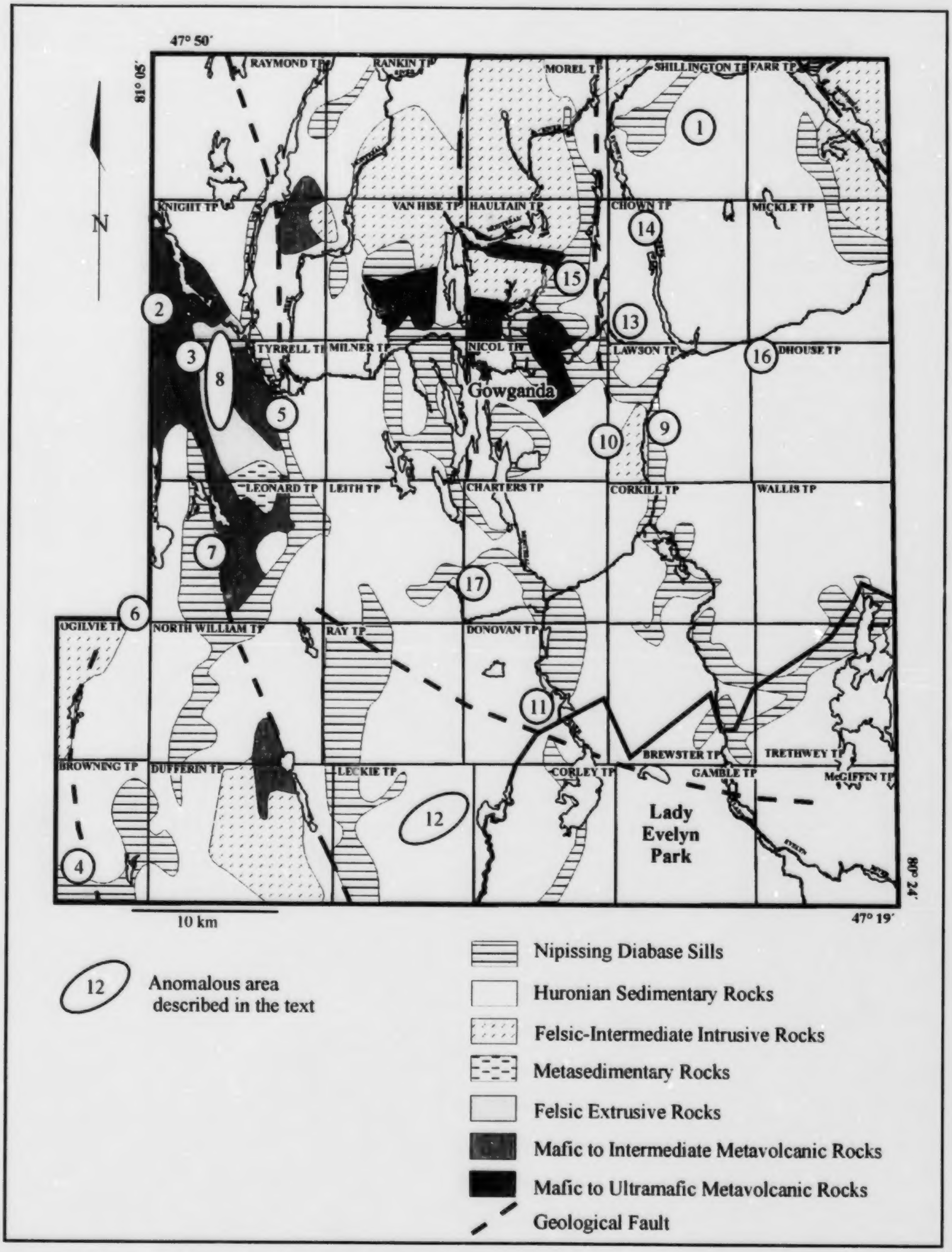
Table 1: Summary of Au, Pt, Pd and Rh analytical data, including estimates of precision

The majority of the analytical data for the certified reference material (LKSD-4) returned Au and PGE values at or below the detection limit. This was in part due to the low sample weights (3 and 5 g) for all of the LKSD-4 which, for the FA/ICP-MS method, results in higher detection limits. An assessment of the accuracy of the data is not possible due to the lack of analytical data for the certified reference material.

The estimates of precision in Table 1 were determined from the analytical results of 36 sample duplicate pairs. The precision for Pd is ±1.7 ppb and is considered excellent for this analytical method. The precision of Pt is ±0.8 and is considered good. Some caution should be exercised with Pt since more than 52% of the analyses returned values below the method detection limit. The precision of gold could not be determined and caution should be used as more than 95% of the data is below the method detection limit. With the high level of analyses below the detection level for Au and Pt, the accuracy of the data will rely, in part, on previously reported values of Au and base metal values to help corroborate this new data. The reader is referred to OFR 5962 (Hamilton 1997) for a more comprehensive assessment of previously released geochemical data for the survey area. A complete listing of the geochemical data used to prepare Table 1 is available in MRD-80. The comprehensive geochemical data set released in 1997 is also included in MRD-80.

DESCRIPTION OF ANOMALOUS AREAS

Seventeen areas containing single site Au and/or PGE anomalies are illustrated on Figure 4 and are described below. The areas are loosely ranked in order of exploration interest based on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Lady Evelyn Park
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10 km
47° 19'
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12 Anomalous area described in the text
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault

Figure 4: Location of geochemically anomalous areas

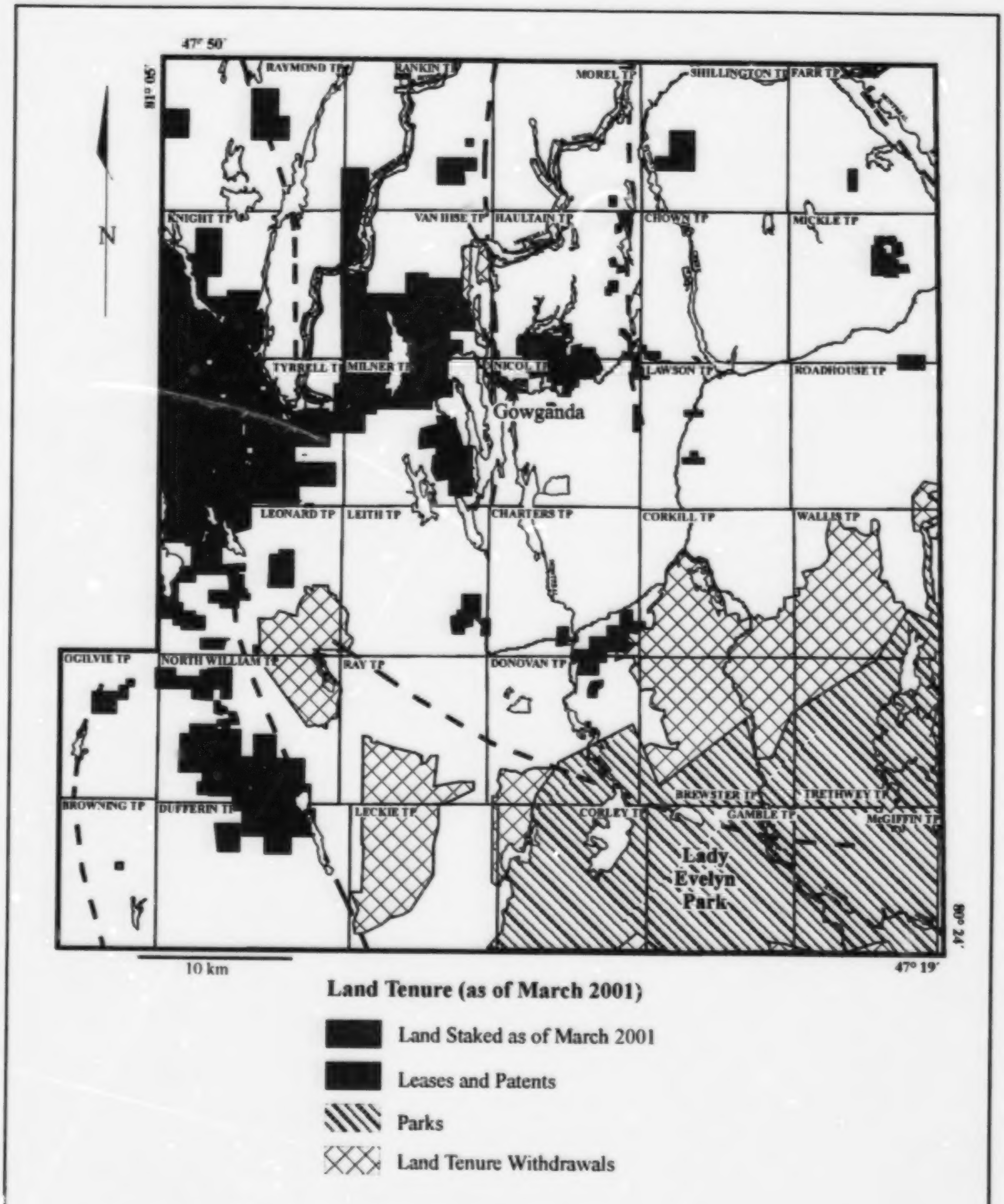
multi-element or single site anomalies in areas of favorable geology. The first 7 anomalies are considered the most significant. Several Au and PGE single site anomalies occur in the southeastern portion of the survey area. These anomalies occur within Lady Evelyn Park and areas withdrawn from staking and are not discussed further in this report. The land tenure map, indicating staked and areas withdrawn from staking, is presented on Figure 5.

Proportional dot maps for Au, Pt and Pd in lake sediments are shown as Figures 6, 7 and 8 respectively. Appendix A contains proportional dot maps for Au, Cu, Ni, Cr, Co and LOI in lake sediments. The geochemical data used to create the maps for Appendix A were obtained from a previously released open file report (Hamilton 1997). Lake sediment geochemical data for Au (FA/ICP-MS and INAA), Pt, Pd, Rh, Ni, Cu, Cr, Co and LOI are contained in Appendix B. The estimates of precision contained in Table 1 were used in the production of the geochemical dot plots for Pt and Pd to provide a meaningful representation of the geochemical responses obtained from this survey. Since an estimate of precision for Au was not possible, a value of ±4 ppb was used to create the interval cutoff based on similar values obtained from this assay method in other data sets. Elemental concentrations of Pt and Pd exceeding the 98.5 percentile of the data set are defined as "weakly anomalous" and concentrations exceeding the 99.5 percentile are defined as "anomalous". Elemental concentrations of Au (FA/ICP-MS) exceeding the 98th percentile of the data set are defined as "weakly anomalous" and concentrations greater than the 99th percentile are defined as "anomalous".

Area 1: Shillington Township; Pd, Pt, Au

The highest Pd, second highest Pt and seventh highest Au (FA/ICP-MS) value collected in the survey area was obtained from a small lake located near Deadmoose Creek in central Shillington Township. Site 236 returned values of 76 ppb Pd, 22.8 ppb Pt and 34 ppb Au (FA/ICP-MS). The gold value is corroborated by a highly anomalous Au (INAA) value of 37 ppb (Hamilton 1997). Other results obtained from this site include anomalous values of Fe, Nb, Ni, Rb, Sn and W with highly anomalous values of Ag, As, Bi, Co, Cr, Cs, Cu, Cd, Hf, Hg, Mo, REEs, Sb, Sc, Ta, Tl, U, Y and Zr (Hamilton 1997). The LOI for site 236 is within acceptable limits at 43.64 percent and quality control methods indicate no problems with analytical procedures. Sites 242 and 235 located to the east and the south of site 236 also returned anomalous Cu values (Hamilton 1997).

Huronian sedimentary rocks underlie most of the township. A northeast trending Nipissing gabbro intrusive body is mapped in the northwestern portion of township. The Quaternary geology of the area indicates that site 236 is underlain by sand and gravel deposits associated with a glacial outwash plain (Roed 1979). This is an intriguing suite of anomalous elements occurring in a relatively unexplored area and cannot be easily explained by the presence of Huronian sedimentary rocks alone. The anomalous amount of Fe in the sample may indicate the potential for metal scavenging processes, although, this does not explain the wide range of anomalous elements found at this site. This site warrants further investigation. As of March 2001, there were no claims covering this site.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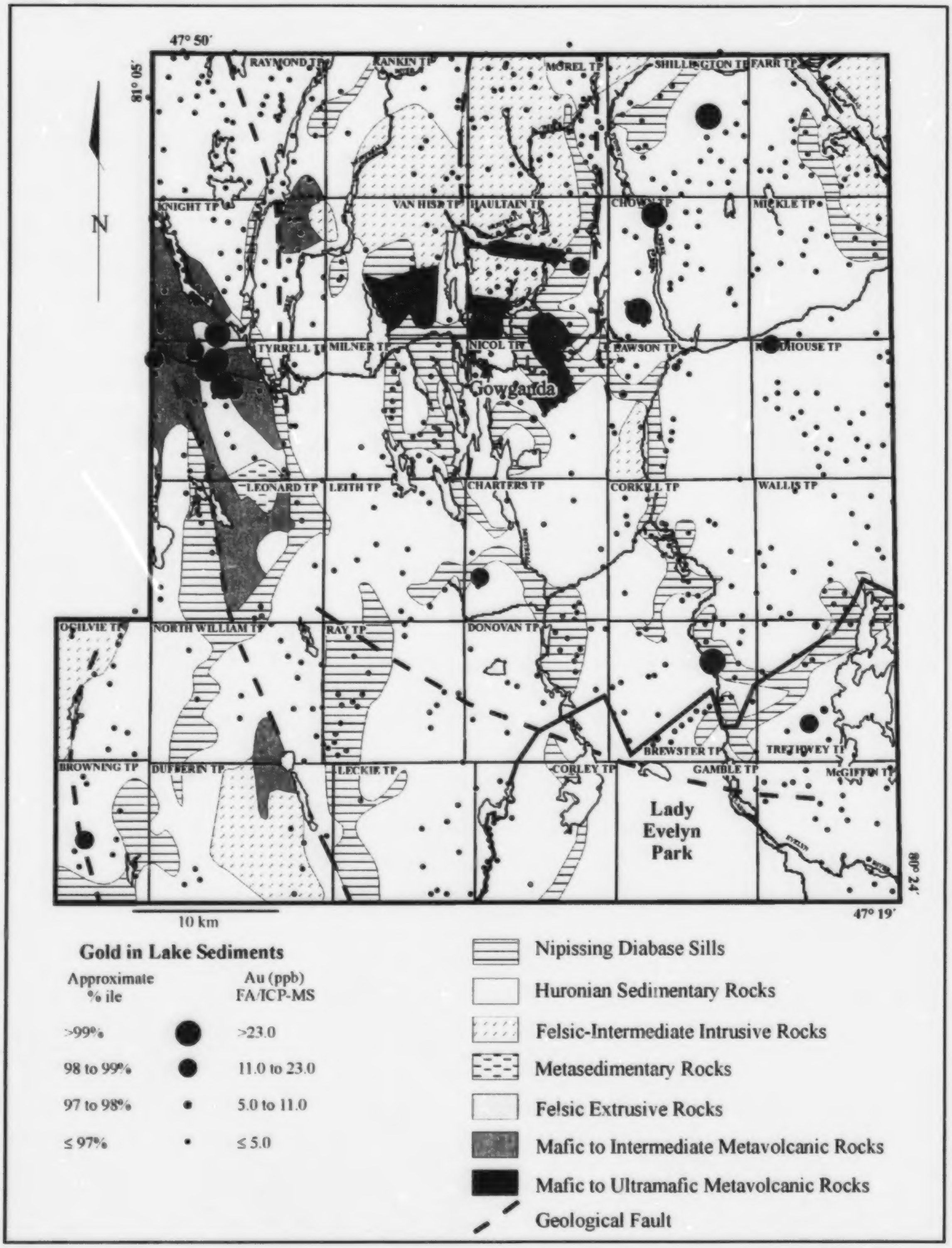
McGIFFIN TP
Lady Evelyn Park
80° 24'
10 km
47° 19'
Land Tenure (as of March 2001)
Land Staked as of March 2001
Leases and Patents
Parks
Land Tenure Withdrawals

Note: This figure is intended to represent the approximate state of land tenure as of March, 2001. It is not a legal description and cannot be used as a substitute for the files of the Mining Lands Group.

Figure 5: Approximate state of land tenure for the survey area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Lady Evelyn Park
80° 24′
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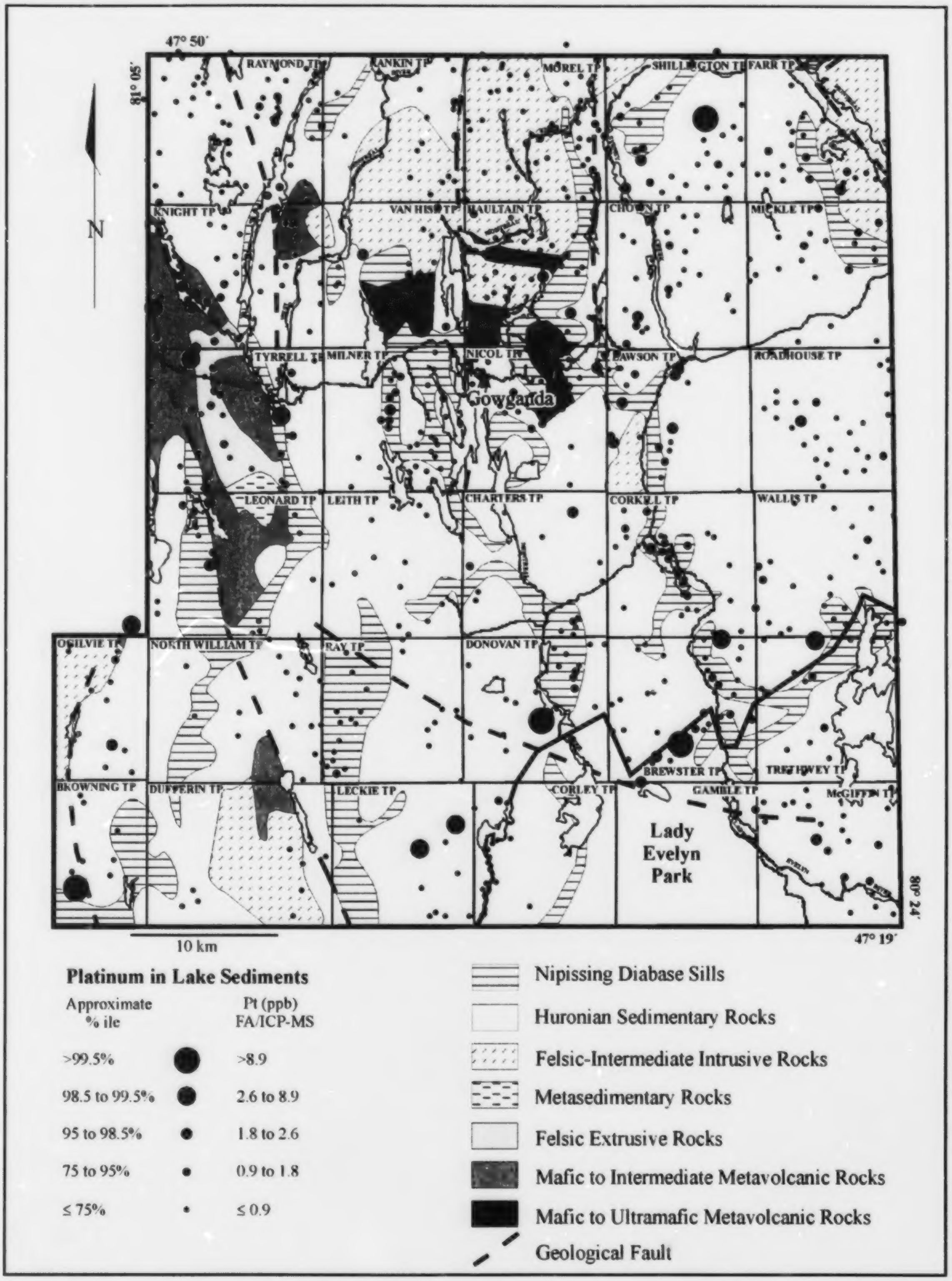
10 km
Gold in Lake Sediments
Approximate % ile
Au (ppb) FA/ICP-MS
>99% ● >23.0
98 to 99% ● 11.0 to 23.0
97 to 98% • 5.0 to 11.0
≤ 97% • ≤ 5.0
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault

Figure 6: Proportional dot map of Au in lake sediments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10 km
Platinum in Lake Sediments
Approximate % ile
Pt (ppb) FA/ICP-MS
>99.5% ● >8.9
98.5 to 99.5% ● 2.6 to 8.9
95 to 98.5% ● 1.8 to 2.6
75 to 95% ● 0.9 to 1.8
≤ 75% ● ≤ 0.9
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault

Figure 7: Proportional dot map of Pt in lake sediments

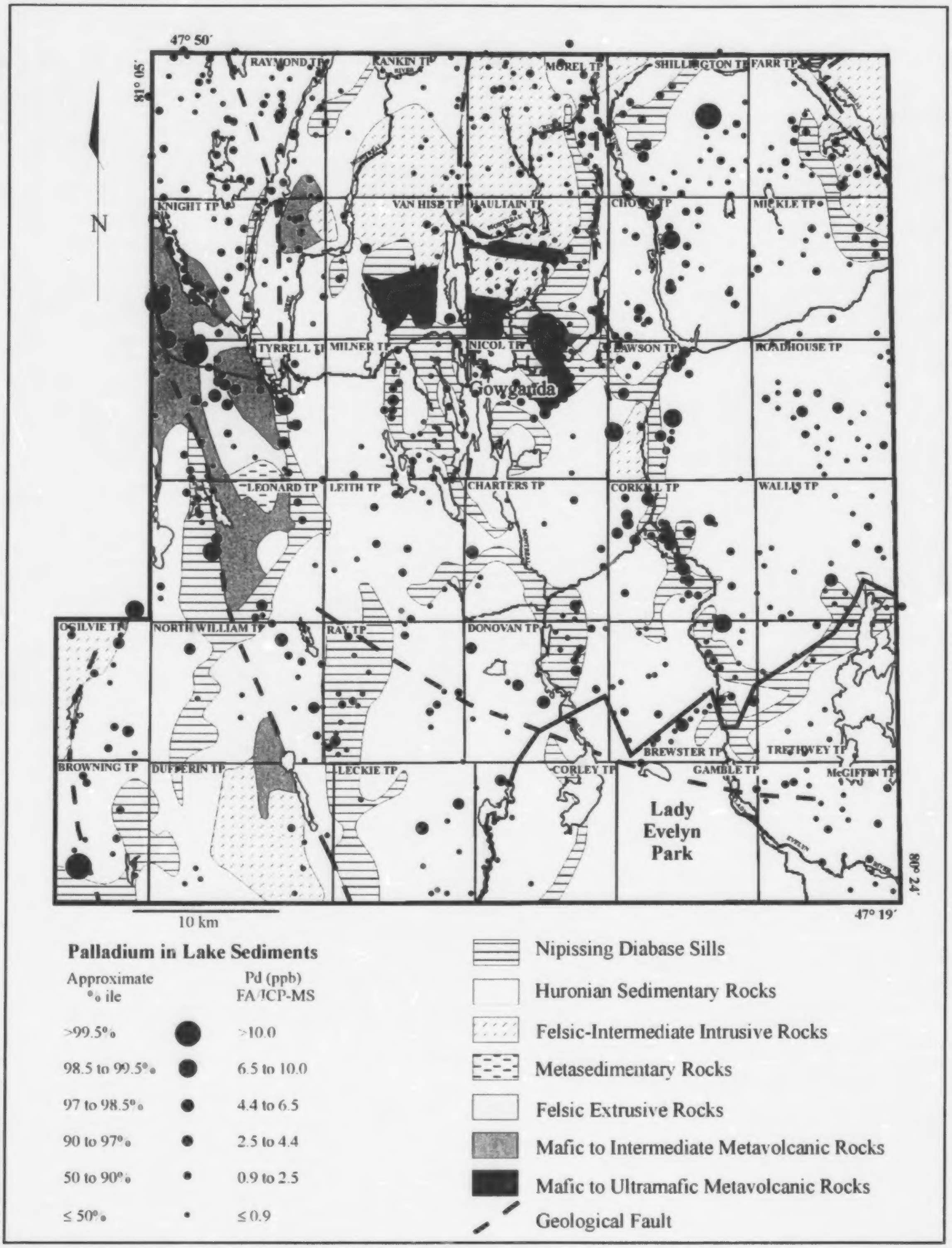
47° 50′
81° 05′
N
RAYMOND TP
RANKIN TP
MOREL TP
SHILLINGTON TP
FARR TP
KNIGHT TP
VAN HISE TP
HAULTAIN TP
CHOWN TP
MICKLE TP
TYRRELL TP
MILNER TP
NICOL TP
LAWSON TP
ROADHOUSE TP
Gowganda
LEONARD TP
LEITH TP
CHARTERS TP
CORKILL TP
WALLIS TP
OGILVIE TP
NORTH WILLIAMS TP
RAY TP
DONOVAN TP
BREWSTER TP
TRETHEWEY TP
BROWNING TP
DUFFERIN TP
LECKIE TP
CORLEY TP
GAMBLE TP
McGIFFIN TP
Lady Evelyn Park
80° 24′
47° 19′
10 km
Palladium in Lake Sediments
Approximate % ile
Pd (ppb) FA/ICP-MS
>99.5% ● >10.0
98.5 to 99.5% ● 6.5 to 10.0
97 to 98.5% ● 4.4 to 6.5
90 to 97% ● 2.5 to 4.4
50 to 90% ● 0.9 to 2.5
≤ 50% • ≤ 0.9
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault

Figure 8: Proportional dot map of Pd in lake sediments

Area 2: South Arthur Lake; Pd, Pt, ±Au

A weakly anomalous Pt and an anomalous Pd value was obtained from lake sediment at site 548. The lake is located about 1 km south of Arthur Lake near the southwest corner of Knight Township. This site returned the second highest Pd value in the survey area of 16.8 ppb. Previously released geochemistry for this area also indicates anomalous Cu and Ni with highly anomalous Cr values (Hamilton 1997). A Au (FA/ICP-MS) value of 7 ppb from this site is corroborated by a Au (INAA) value of 6 ppb (Hamilton 1997).

The bedrock geology consists of northwesterly trending ultramafic komatiitic flows interlayered with mafic metavolcanic rocks (Carter 1983). Numerous diamond drill holes were collared along the shores of Arthur Lake in the late 1960s (Ontario Geological Survey 1990a) with disseminated pentlandite occurring in an ultramafic lapilli tuff unit (Carter 1983). The highest assay reported from this drilling is 0.88 percent Ni over 1.2 m (Carter 1983). Site 546 located in Arthur Lake returned an anomalous Ni and a highly anomalous Cr value (Hamilton 1997). Site 555, located about 2.5 km southeast of site 548, returned a weakly anomalous value of 6.5 ppb Pd. This value was obtained from a 3 g sample size and contained no other anomalous elements. Site 555 should be treated with caution.

Site 548 occurs as a single site Pt and Pd anomaly that also contains corresponding Ni, Cu and Cr anomalies. Favorable geology, known Ni mineralization and corresponding lake sediment anomalies from Arthur Lake make this an interesting target for further investigation of potential PGE-base metal mineralization. As of March 2001, the area was completely staked.

Area 3: Milly Lake; Pd, Pt, Au

Lake sediment site 659 returned values of 13.6 ppb Pd, 3.1 ppb Pt and 14 ppb Au (FA/ICP-MS). The sample site is located about 800 m south of Milly Lake in northwestern Tyrrell Township. Previously reported values at this site included 14 ppb Au (INAA), anomalous Cu and Ni with elevated Cr (Hamilton 1997). Highly anomalous Ni in lake sediments was also returned from sites 556 and 557 collected in Milly Lake. Site 556 also contains weak values of 3.6 ppb Pd and 2.1 ppb Pt. A lake sediment survey completed by the Geological Survey of Canada (GSC) in 1987, also returned an anomalous Ni value in Milly Lake (Hornbrook and Friske 1988).

The Milly Lake area is underlain by southeast trending intermediate to felsic metavolcanic rocks (Carter 1977a). Ultramafic rocks are mapped in Knight Township approximately 1.5 km northwest of site 659 (Carter 1983) but none are mapped in Tyrrell Township (Carter 1977a). Drilling completed by Timiskaming Nickel Ltd , about 600 m west of Milly Lake, described serpentinite in the drill log (Ontario Geological Survey 1990b). The base metal and PGE signature obtained from lake sediment samples in the Milly Lake area suggest that ultramafic rocks may exist in northern Tyrrell Township. As of March 2001, the entire area was staked.

Area 4: Skog Lake; Pd, Pt

Site 1397 located in a small lake south of Skog Lake in south-central Browning Township returned a value of 13.5 ppb Pd and 10.5 ppb Pt. Anomalous values of As, Cr and W were also returned from this site (Hamilton 1997). The PGE values at this site are from a 3 g sample size and contain no corresponding Ni or Cu anomalies. The lake sediment at this site was observed to be marly, but the Ca content was only 1.98 percent. It is possible that there was a small amount of clay in the sample but the LOI for the site is acceptable at 50.5 percent. The GSC sampled this lake in 1987 and no anomalous values were reported (Hornbrook and Friske 1988). A weakly anomalous Au (FA/ICP-MS) value of 15 ppb was returned from a small lake to the north of Skog Lake (site 1394). No other elements are anomalous at this site and there is no corroborating Au (INAA) anomaly. This Au value is suspect and should be treated with caution.

Browning Township has not been mapped in detail but Nipissing gabbro is known to occur in the Skog Lake area. A minor Ag mineral occurrence is located immediately north of Skog Lake (Ontario Geological Survey 1991b).

The lack of Ni and Cu anomalies at this site and the small sample size (3 g) raises some concern regarding the quality of the Pt and Pd values at this site. However, the presence of anomalous Cr in the sample and the acceptable LOI may indicate that further investigation of this area may be warranted. As of March 2001, the area was open for staking.

Area 5: Mosher Lake; Pd, Pt

Site 588, located 1 km south of Mosher Lake in east-central Tyrrell Township, returned weakly anomalous values of 8.3 ppb Pd and 3.4 ppb Pt. Anomalous values of As, Ni and Cr were also returned from this site (Hamilton 1997). Hamilton (1997) identified this area as a favorable setting for potential Ag-Co-Ni type mineralization. Sampling completed by the GSC returned anomalous Ni and Cu values from a lake sediment sample located about 2 km south of site 588 (Hornbrook and Friske 1988). Sites 593 and 1468 located to the south of site 588 returned lower values of 6.5 and 3.2 ppb Pd respectively.

The area is underlain by a north-northwest trending Nipissing gabbro sill intruding Huronian metasedimentary rocks (Carter 1977a). Significant exploration around Mosher Lake has concentrated on silver-cobalt-calcite veins that occur throughout the gabbro sill in this area (Carter 1977a). Further investigation for potential PGE mineralization within the gabbro may be warranted. As of March 2001, most of this area was staked.

Area 6: Ogilvie Township; Pd, Pt

Weakly anomalous values of 9.5 ppb Pd and 4 ppb Pt were returned from site 1136 located along the Ogilvie-Fawcett township boundary. This site also returned elevated values of Ag, Ni and Mn, an anomalous value of Fe and highly anomalous values of As, Cr, Mo, W and Zr (Hamilton 1997). The presence of Fe and Mn in the sample may indicate that some metal scavenging processes may have taken place, but values for Cu, Pb, Zn and Co are quite low. The Cr value in this sample was the highest value obtained in the survey area (Hamilton 1997) and should not be affected by the metal scavenging processes of Fe-Mn oxides.

The area is underlain by intermediate to felsic metavolcanic rocks and a northerly trending peridotite intrusion. Low levels of Ni and Cu mineralization in the peridotite body were encountered from drilling in Fawcett Township just to the north of site 1136 (Carter 1977b). The area may warrant further investigation for potential PGE mineralization. As of March 2001, the area was open for staking.

Area 7: Eliza Lake; Pd, ±Pt

Site 684 returned a weakly anomalous value of 6.8 ppb Pd and a weakly elevated value of 1.9 ppb Pt. Eliza Lake is located in west-central Leonard Township. An anomalous Au (INAA) value of 6 ppb and a highly anomalous Cr value were also returned from this site (Hamilton 1997).

The area is underlain by north trending Nipissing gabbro and Huronian metasedimentary rocks. Archean intermediate to felsic metavolcanic rocks and oxide facies iron formation underlie Fournier Lake to the east of site 684 (Carter 1977b). Numerous Ag-Co-Ni-Cu showings are located in the gabbro surrounding site 684 and an electromagnetic anomaly is located along the southern shore of Eliza Lake (Ontario Geological Survey 1990c).

The PGE and Cr anomaly at this site is encouraging, although, the lack of corroborating Ni and Cu anomalies and the small weight of the sample used for analysis (3 g) indicates that this site should be treated with caution. As of March 2001, several claims are located in the area, but site 684 was open for staking.

Area 8: Porphyry Lake; Au

Porphyry Lake is located in north-central Tyrrell Township approximately 1.5 km southeast of Milly Lake (Area 3). Several anomalous Au values were returned from lake sediment sites extending from Spade Lake in the north through to Breeze Lake in the south. All of these anomalies occur in the same drainage system that originates from Spade Lake and empties into the West Montreal River. Sites 558, 581, 582, 583 and 584 sampled along this drainage system returned values of 59, 75, 105, 25 and 18 ppb Au respectively. Previous analytical data from these sites also indicated highly anomalous Au (INAA) and Ni values (Hamilton 1997). A lake sediment sample collected by the GSC returned a similar highly anomalous Au and Ni value from Porphyry Lake (Hornbrook and Friske 1988). These sites should be treated with caution as they are the probable result of past ore processing activities from the Tyranite Mine located along the boundary of Knight and Tyrrell Townships. It is possible that these anomalies are related to Au-cyanide complexes originating from the tailings and being transported downstream (Hamilton 1997).

Area 9: Bear River; Pd, ±Pt

A small lake located in central Lawson Township near the Bear River returned a weakly anomalous value of 8.3 ppb Pd and a weakly elevated value of 2.0 ppb Pt. Site 192 also returned an anomalous value of 6 ppb Au (INAA), anomalous Cr and highly anomalous Cu from lake sediments (Hamilton 1997). The present survey returned a lower Au (FA/ICP-MS) value of 3 ppb for this site.

The bedrock geology of the area consists of a northerly trending unit of Nipissing gabbro intruding Huronian metasedimentary rocks. The contact between the gabbro and the metasedimentary rocks is interpreted to subcrop less than 200 m west of site 192 (MacKean 1968). The Quaternary geology of the area indicates that a major south trending esker complex overlies much of central Lawson Township (Roed 1979). Hamilton (1997) identified a south trending linear feature in this area extending from northern Chown to central Corkill townships which contained sporadic and discontinuous Au, Cu, Co and As anomalies. The anomalies parallel the esker complex in this area. Sand and gravel materials can be a source for Au in lake sediments but are less likely to be a source for Cu, As and Co (Hamilton 1997). Caution is advised when interpreting this anomaly. Minor clay and sand was noted in the lake sediment at this site and the LOI is low at 29.28 percent. The PGE values at this site should also be viewed with caution.

Area 10: Coldspring Creek; Pd, ±Pt

Site 182, located in southwestern Lawson Township along Coldspring Creek, returned a weakly anomalous value of 9.8 ppb Pd and a weakly elevated value of 2.2 ppb Pt. Anomalous values of As, U and Zr with highly anomalous values of Cu and Mo were previously reported from this site (Hamilton 1997).

The area is underlain by Huronian metasedimentary rocks and Archean granitic intrusive rocks (MacKean 1968). The LOI for this sample is within acceptable limits at 50.65 percent. The Quaternary geology of the area indicates that esker deposits cover much of this area. The corroborating Cu and PGE values at this site are encouraging although the source of the anomaly is unclear. The apparent lack of favorable geology and the low analytical weight of the sample (5 g) is cause for some concern. This anomaly should be treated with caution.

Area 11: Lady Dufferin Lake; Pt, ±Pd

Site 894 returned an anomalous value of 14.1 ppb Pt with a weakly elevated value of 4.7 ppb Pd. The lake sediment anomaly occurs about 1.5 km south of Lady Dufferin Lake and 1 km east of the Lady Evelyn Park boundary. No other anomalous elements were returned from this site.

The area is underlain by Huronian metasedimentary rocks and Nipissing gabbro. Mineralization within the gabbro (north of Lady Dufferin Lake) consists of Ag, Co and Ni in quartz-carbonate veins (Card et al. 1973). The lack of Ni-Cu anomalies from this site and the lower sample weight (5 g) suggests that the results may be suspect. As of March 2001, there were no claims in this area.

Area 12: Kidd Lake; Pt, ±Pd

Weakly anomalous values of Pt were returned from 2 sites in east-central Leckie Township. Site 922 and 927 returned values of 8.8 and 5.5 ppb Pt with lower values of 5.6 and 4.0 ppb Pd respectively. No other corroborating anomalies are associated with these sites and the area is underlain by Huronian metasedimentary rocks. Both of these sites contained 5 g sample weights and the PGE values may be spurious.

Area 13: SW Chown Twp.; Au

Site 68 returned the highest Au (FA/ICP-MS) value from the survey area of 108 ppb. An elevated value of 4 ppb Au was previously reported at this site (Hamilton 1997). Other elements at this site included elevated values of Ni and Ag and anomalous values of Bi, Co, Cr, Fe, Mg and REEs. Site 68 also returned low values of 2.9 ppb Pd and 2.1 ppb Pt. Sampling completed by the GSC in 1987, reported no anomalous concentrations of elements from this lake. The LOI of the GSC sample was 3.4% (inorganic) and does not correlate with the organic medium (LOI of 38.42%) collected in the present survey. Site 67 was collected south of site 68 in the same lake and returned no corroborating anomalies.

The area is underlain by Huronian metasedimentary rocks. Nipissing gabbro outcrops in the extreme southwest corner of Chown Township about 2.5 km southwest of site 68 (MacKean 1968). Several past producing Ag mines and Ag, Co, Ni prospects are known from Haultain, Nicol and Lawson townships.

The anomalous element levels returned from site 68 are characteristic of the Nipissing gabbro related Ag-Co-Ni type mineralization known from the region. The Au anomaly is more difficult to explain. Chalcopyrite, Au, pyrite and arsenopyrite quartz veins are known to occur in rocks of the Gowganda Formation and Nipissing gabbro in the Lake Wanapitei area (Fyon et al. 1992). The fact that 2 methods returned widely varying Au analyses (4 and 108 ppb) and a second sample in the same lake returned no significant Au values, makes this high Au value extremely suspect. Caution should be exercised with the Au anomaly at this site.

Area 14: Mooseheart Lake; Au

An anomalous value of 35 ppb Au (FA/ICP-MS) was returned from site 22 in Mooseheart Lake located in northwestern Chown Township. This same site returned a value of 3 ppb Au (INAA) (Hamilton 1997). The area is underlain by Huronian metasedimentary rocks. No other anomalous elements occur at this site. The lack of corroborating Au values, absence of anomalous concentrations of other elements and unfavorable geology indicates that this anomaly may be spurious. Caution should be exercised when interpreting this result.

Area 15: Crawford Lake; Au

Site 515, located in east-central Haultain Township, returned a weakly anomalous value of 15 ppb Au (FA/ICP-MS). Previous analytical results from this lake returned a value of 1 ppb Au (INAA) and an anomalous Ag value (Hamilton 1997). Hamilton (1997) also identified this area as having a significant Ag anomaly in an area of favorable geology. The lack of corroboration between the 2 Au assay methods, the low sample weight (3 g) and the lack of other anomalous elements in this sample suggests that this Au result is suspect.

Area 16: Phelps Lake; Au

Phelps Lake is located in the extreme northwest corner of Roadhouse Township. Site 61 returned a value of 23 ppb Au. No other anomalous elements were returned from this site. Previous analytical results from this site returned a value of 3 ppb Au (INAA). The GSC sampled this lake in 1987 and returned no anomalous values. The lack of corroboration between the 2 assay methods and lack of correlation with the GSC sampling suggests that this Au anomaly is spurious.

Area 17: SW Charters Twp.; Au

Site 1276, located in the southwest corner of Charters Township, returned a value of 16 ppb Au (FA/ICP-MS). This site previously returned a value of 1 ppb Au (INAA) and an elevated Ni value (Hamilton 1997). The Au (FA/ICP-MS) value was taken from a 3 g sample. The lack of corroboration between the 2 analytical methods and the low weight of sample, suggest that this Au value is spurious.

CONCLUSIONS

Preliminary interpretation of the Au and PGE analyses for the Montreal River headwaters area lake sediment survey indicates the presence of 17 anomalous areas. The target areas are all single site anomalies, some of which, contain several anomalous elements. Several sites are considered priority areas for further geological investigation. Some of the sites contain anomalies caused by anthropogenic influences and caution should be used when interpreting the analytical data.

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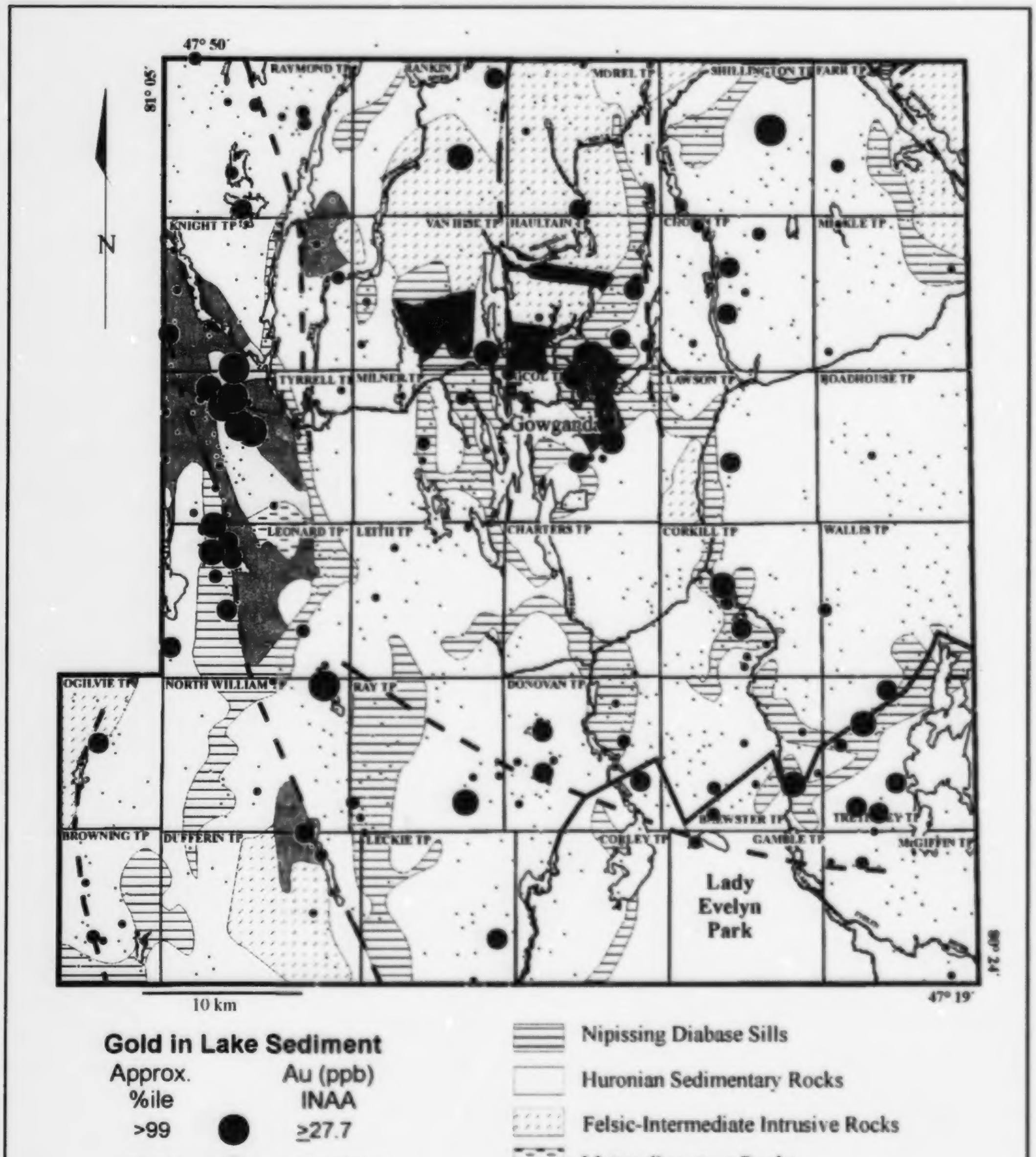
APPENDIX A

Lake sediment proportional dot maps for previously released Au (INAA), Cu, Ni, Cr, Co and LOI data.



47° 50'
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RANKIN TP
MOREL TP
SHILLINGTON TP
FARR TP
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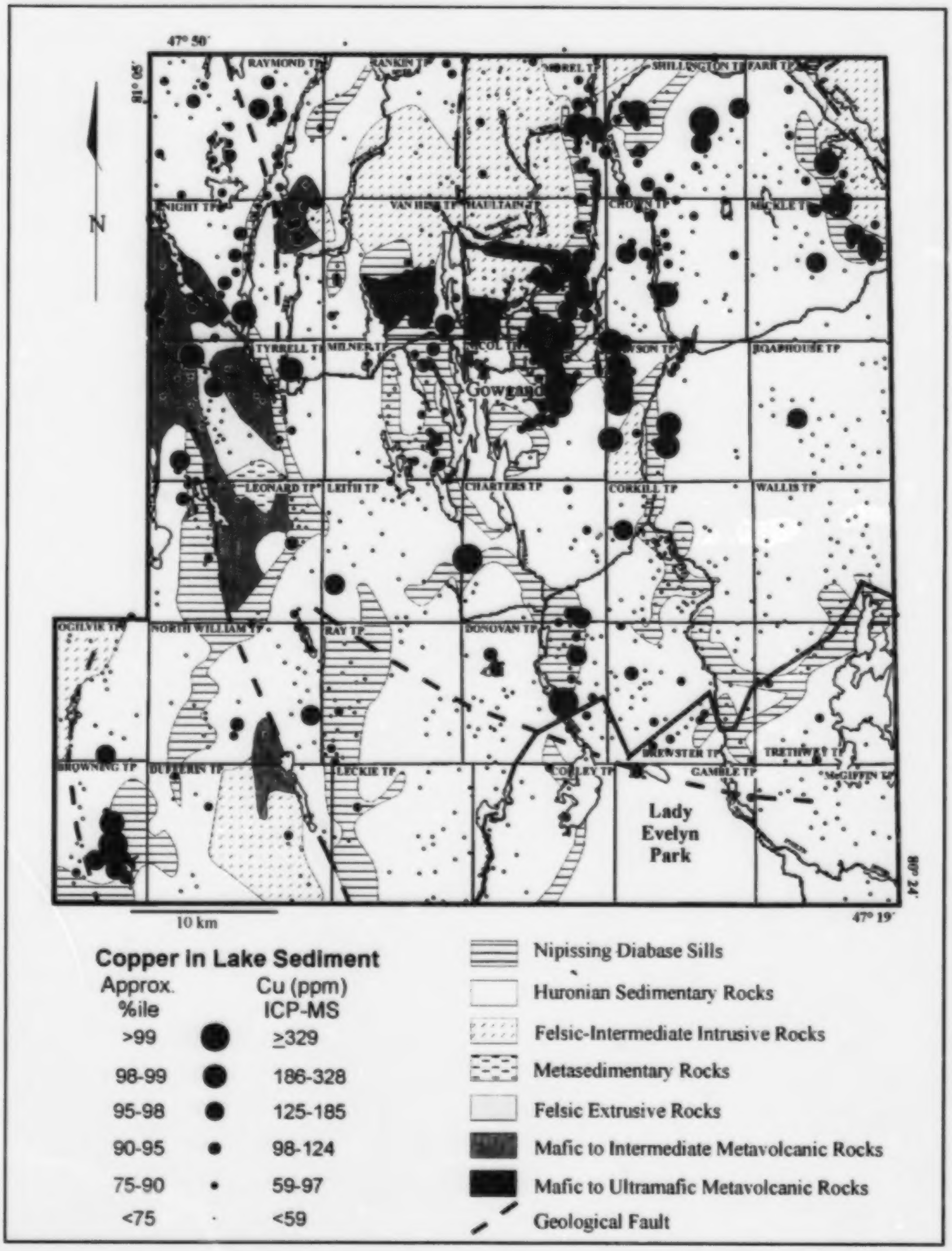
RAY TP
DONOVAN TP
BREWSTER TP
BROWNING TP
DUFFERIN TP
LECKIE TP
CORLEY TP
GAMBLE TP
McGIFFIN TP
Lady Evelyn Park
80° 24'
10 km
47° 19'
Gold in Lake Sediment
Approx. %ile
Au (ppb) INAA
>99 ≥27.7
98-99 7.0-27.6
95-98 5.0-6.9
90-95 4.0-4.9
75-90 3.0-3.9
<75 <3.0
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault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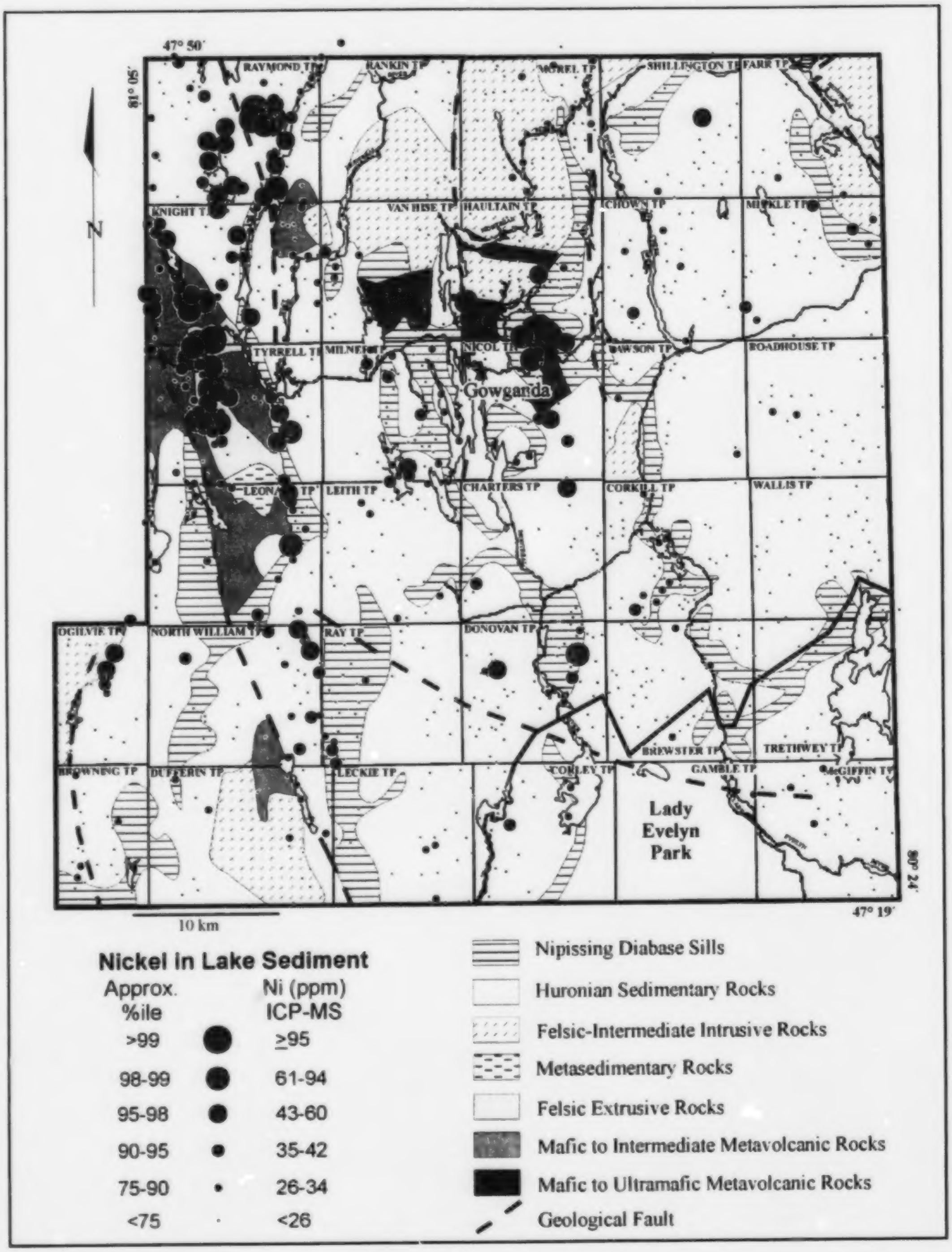
DONOVAN TP
BREWSTER TP
TRETHEWEY TP
BROWNING TP
DUFFERIN TP
LECKIE TP
COPLEY TP
GAMBLE TP
McGIFFIN TP
Lady Evelyn Park
80° 24'
47° 19'
10 km
Copper in Lake Sediment
Approx. %ile
Cu (ppm) ICP-MS
>99 ≥329
98-99 186-328
95-98 125-185
90-95 98-124
75-90 59-97
<75 <59
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault



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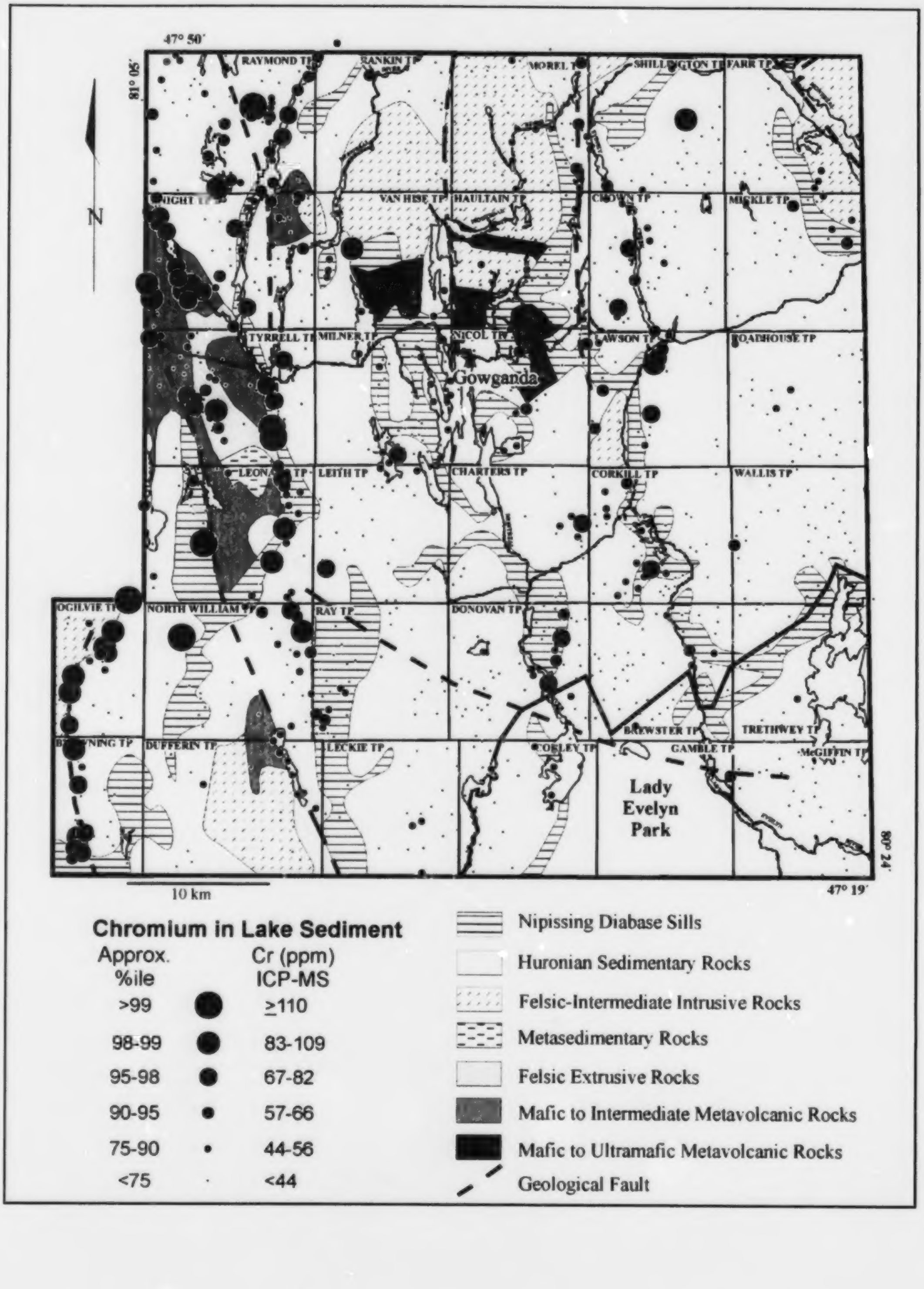
TRETHEWEY TP
BROWNING TP
DUFFERIN TP
LECKIE TP
CORLEY TP
GAMBLE TP
McGIFFIN TP
Lady Evelyn Park
80° 24'
47° 19'
10 km
Nickel in Lake Sediment
Approx. %ile
Ni (ppm) ICP-MS
>99 ● ≥95
98-99 ● 61-94
95-98 ● 43-60
90-95 ● 35-42
75-90 • 26-34
<75 · <26
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault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DONOVAN TP
BREWSTER TP
TRETHEWEY TP
NING TP
DUFFERIN TP
LECKIE TP
CORLEY TP
GAMBLE TP
McGIFFIN TP
Lady Evelyn Park
80° 24'
47° 19'
10 km
Chromium in Lake Sediment
Approx. %ile
Cr (ppm) ICP-MS
>99 ≥110
98-99 83-109
95-98 67-82
90-95 57-66
75-90 44-56
<75 <44
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
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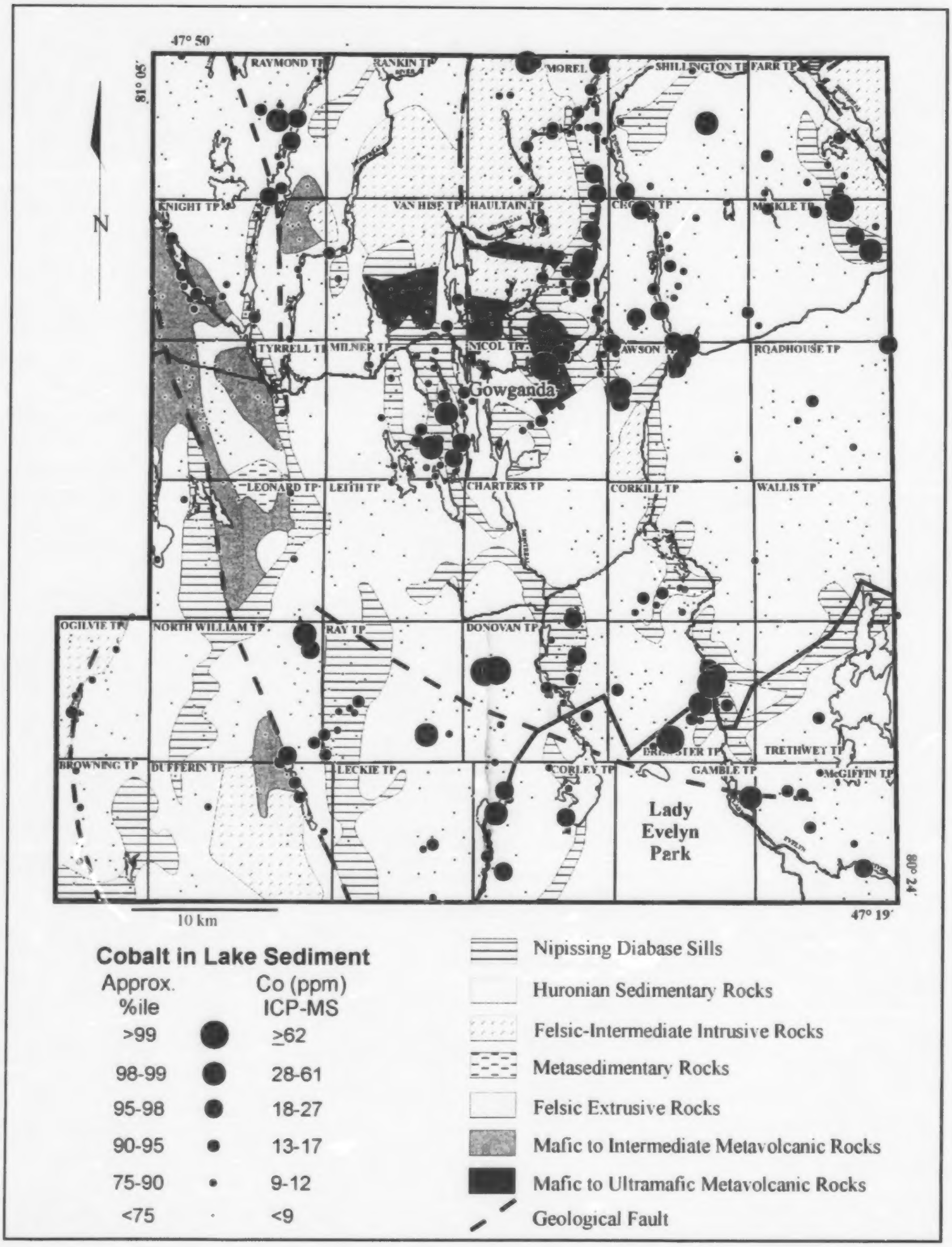
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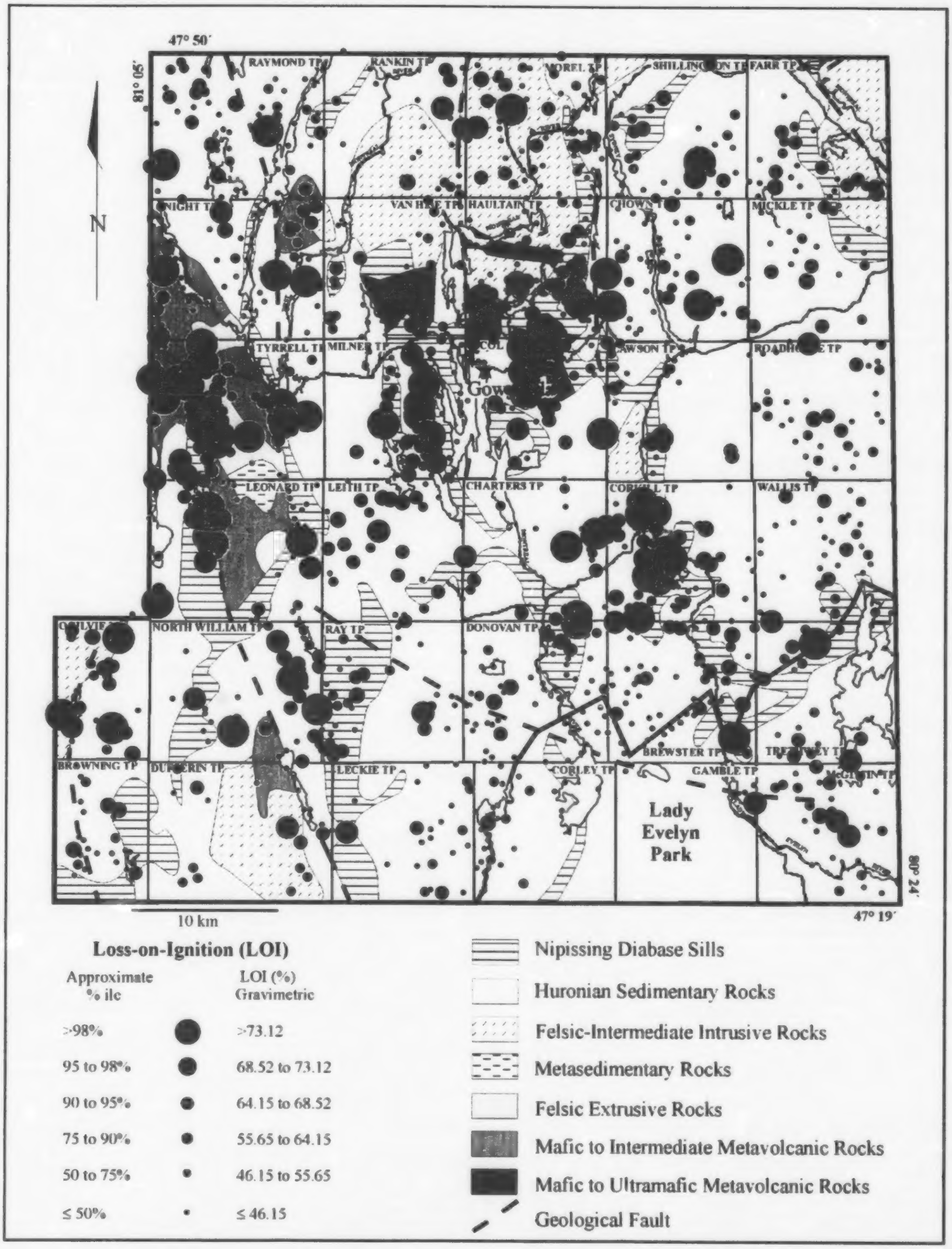
TRETHWEY TP
BROWNING TP
DUFFERIN TP
LECKIE TP
CORLEY TP
GAMBLE TP
McGIFFIN TP
Lady Evelyn Park
80° 24'
47° 19'
10 km
Cobalt in Lake Sediment
Approx. %ile
Co (ppm) ICP-MS
>99 ≥62
98-99 28-61
95-98 18-27
90-95 13-17
75-90 9-12
<75 <9
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault


47° 50'
81° 05'
N
RAYMOND TP
RANKIN TP
MOREL TP
SHILLINGTON TP
FARR TP
NIGHT TP
VAN HISE TP
HAULTAIN TP
CHOWN TP
MICKLE TP
TYRRELL TP
MILNER TP
COL
Gowganda
LAWSON TP
ROADHOUSE TP
LEONARD TP
LEITH TP
CHARTERS TP
CORKILL TP
WALLIS TP
OGILVIE
NORTH WILLIAMS TP
RAY TP
DONOVAN TP
BREWSTER TP
TREFFWEY TP
BROWNING TP
DUFFERIN TP
LECKIE TP
CORLEY TP
GAMBLE TP
Lady Evelyn Park
80° 24'
47° 19'
10 km
Loss-on-Ignition (LOI)
Approximate % ile
LOI (%) Gravimetric
>98% >73.12
95 to 98% 68.52 to 73.12
90 to 95% 64.15 to 68.52
75 to 90% 55.65 to 64.15
50 to 75% 46.15 to 55.65
≤ 50% ≤ 46.15
Nipissing Diabase Sills
Huronian Sedimentary Rocks
Felsic-Intermediate Intrusive Rocks
Metasedimentary Rocks
Felsic Extrusive Rocks
Mafic to Intermediate Metavolcanic Rocks
Mafic to Ultramafic Metavolcanic Rocks
Geological Fault

APPENDIX B
Lake sediment analytical data for Au (FA/ICP-MS), Pd, Pt, Rh and previously released Au (INAA), Cu, Ni, Cr, Co and LOI data

(Note: For explanation of abbreviations in this appendix, please see Table 1, page 6.)

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method----------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units-------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
1	525170	5280008	96-SMH-1	-0.3	4.1	1.2	-3	10	-1	50.188	21.2	55.8	12.19	38.38
2	524742	5280641	96-SMH-2	-0.3	4.3	1.0	-3	10	5	54.208	21.1	55.2	10.67	38.19
3	516469	5276287	96-SMH-3	-0.3	-0.3	-0.3	-3	10	3	23.363	20.9	40.0	9.00	21.64
4	515215	5278432	96-SMH-4	-0.3	2.0	0.6	-3	10	4	32.092	23.1	45.5	7.40	25.59
5	515541	5276926	96-SMH-5	-0.3	-0.3	0.4	-3	10	-1	33.695	23.2	43.2	8.93	27.35
6	515914	5275558	96-SMH-6	-0.3	0.6	0.7	-3	10	4	30.885	26.4	45.3	17.69	21.75
7	515920	5274549	96-SMH-7	N/A	N/A	N/A	N/A	N/A	-1	30.857	23.5	45.9	10.41	25.96
8	516487	5274958	96-SMH-8	-0.3	1.3	0.5	-3	10	-1	21.149	22.6	40.2	10.28	16.21
9	513831	5277238	96-SMH-9	-1	2	-1	-10	3	4	97.205	27.4	49.7	10.44	39.46
11	514527	5275325	96-SMH-11	-0.6	1.4	0.9	-6	5	-1	58.767	26.5	51.1	16.45	35.36
12	514718	5274099	96-SMH-12	-0.3	2.1	0.8	-3	10	4	64.519	27.1	53.2	32.12	29.19
13	515251	5271032	96-SMH-13	-0.3	0.5	0.7	-3	10	-1	49.03	22.6	42.6	27.80	32.76
14	515750	5272100	96-SMH-14	-0.3	1.0	0.7	-3	10	-1	47.409	28.3	48.3	28.01	27.29
15	533810	5288693	96-SMH-15	-0.3	2.1	1.1	-3	10	3	70.56	21.0	45.4	11.45	37.10
17	530811	5287569	96-SMH-17	-0.6	0.9	-0.6	-6	5	2	36.789	10.2	12.0	2.24	37.27
18	531699	5287631	96-SMH-18	-1	2	-1	-10	3	5	73.979	22.7	30.2	11.14	55.08
19	530464	5288725	96-SMH-19	-0.6	1.2	-0.6	-6	5	-1	70.732	12.8	19.7	3.53	66.89
21	528908	5287773	96-SMH-21	-0.3	1.6	0.8	-3	10	-1	70.458	20.4	41.1	11.04	36.16
22	528691	5287395	96-SMH-22	-0.3	2.6	1.1	35	10	3	35.002	18.0	39.3	6.35	30.06
23	527892	5288149	96-SMH-23	-0.3	3.0	1.1	-3	10	5	61.722	25.9	57.0	19.05	31.93
24	526808	5288485	96-SMH-24	-0.3	1.8	1.1	-3	10	3	50.654	22.4	46.3	8.44	33.92
25	526680	5286221	96-SMH-25	-0.6	-0.6	-0.6	-6	5	-1	N/A	N/A	N/A	N/A	37.08
26	527439	5285784	96-SMH-26	-0.3	1.7	0.8	-3	10	3	73.739	18.7	24.6	4.23	12.30
27	527063	5285029	96-SMH-27	N/A	N/A	N/A	N/A	N/A	3	165.237	28.1	29.2	7.95	56.31
28	529687	5286448	96-SMH-28	-0.6	1.4	0.9	-6	5	3	68.396	27.9	50.9	10.76	37.70
29	529851	5285541	96-SMH-29	-0.6	6.6	1.0	-6	5	6	62.441	25.0	45.3	11.63	39.35
31	529932	5284333	96-SMH-31	N/A	N/A	N/A	N/A	N/A	-1	65.618	21.5	28.7	13.97	57.30
32	530925	5285135	96-SMH-32	-1	1	-1	-10	3	-1	18.886	8.5	9.1	1.15	37.36
33	530861	5283970	96-SMH-33	-1	2	-1	-10	3	4	46.981	27.9	46.6	11.70	39.55
34	530495	5282955	96-SMH-34	-0.6	0.8	0.7	-6	5	3	43.028	24.0	40.4	9.99	46.66
35	531896	5283621	96-SMH-35	-0.6	0.7	-0.6	-6	5	1	23.019	10.0	12.6	2.14	57.28
37	534458	5284961	96-SMH-37	N/A	N/A	N/A	N/A	N/A	-1	61.941	19.8	35.0	4.81	79.38
38	535338	5284675	96-SMH-38	-0.3	1.4	0.9	-3	10	-1	21.073	16.1	25.5	5.97	40.57
39	535706	5283583	96-SMH-39	-0.3	1.4	0.9	-3	10	-1	24.725	21.3	40.4	8.10	36.88
41	535326	5283208	96-SMH-41	-0.3	0.7	0.6	-3	10	-1	25.165	18.8	37.1	5.90	36.54
42	533872	5282233	96-SMH-42	-0.3	0.8	0.7	-3	10	-1	33.479	15.6	24.3	5.19	35.91
43	533747	5281954	96-SMH-43	-1	1	-1	-10	3	2	47.98	17.2	16.4	6.06	51.59
44	531617	5286551	96-SMH-44	-0.3	0.5	0.4	-3	10	-1	34.367	9.2	15.0	2.32	29.23
45	535291	5281154	96-SMH-45	N/A	N/A	N/A	N/A	N/A	-1	40.371	37.8	42.0	16.80	63.20
46	536050	5280262	96-SMH-46	N/A	N/A	N/A	N/A	N/A	4	38.23	32.1	42.7	13.21	60.36
47	534155	5281137	96-SMH-47	-0.3	0.9	0.6	-3	10	-1	12.175	11.0	18.6	2.05	27.48
48	532487	5281734	96-SMH-48	N/A	N/A	N/A	N/A	N/A	-1	58.691	9.6	15.8	4.17	82.69
49	530211	5282146	96-SMH-49	N/A	N/A	N/A	N/A	N/A	-1	67.221	24.7	25.0	10.39	60.51
51	529762	5282232	96-SMH-51	-1	4	-1	-10	3	2	199.821	19.3	27.9	4.90	52.67
52	529725	5282630	96-SMH-52	-0.3	1.6	0.9	-3	10	6	67.836	21.2	26.4	6.57	29.46
53	527527	5283360	96-SMH-53	-0.6	0.8	-0.6	-6	5	-1	22.335	14.9	24.2	3.21	46.34
54	525968	5283953	96-SMH-54	N/A	N/A	N/A	N/A	N/A	-1	31.561	8.2	4.8	2.54	75.16
55	526340	5281673	96-SMH-55	N/A	N/A	N/A	N/A	N/A	-1	41.46	12.1	12.3	1.79	91.03
56	526857	5281257	96-SMH-56	-1	-1	-1	-10	3	-1	20.067	13.7	10.6	2.79	64.62
57	528323	5280043	96-SMH-57	-0.3	1.0	0.6	-3	10	-1	12.738	12.4	32.0	1.59	38.89
58	538600	5279165	96-SMH-58	-0.3	-0.3	0.7	-3	10	2	26.875	12.9	39.5	6.34	37.22

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method---------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units---------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
59	537722	5278538	96-SMH-59	-0.3	0.6	0.8	-3	10	-1	30.381	20.4	41.0	6.08	42.79
61	536732	5278392	96-SMH-61	-0.3	-0.3	0.7	23	10	3	26.204	20.8	42.8	6.41	33.99
62	535868	5278280	96-SMH-62	-0.3	0.5	0.9	-3	10	-1	32.249	23.9	48.9	7.64	38.35
63	530768	5277863	96-SMH-63	-0.3	2.5	1.6	-3	10	1	72.065	20.2	64.0	24.17	40.03
64	530159	5276863	96-SMH-64	-0.6	3.9	2.2	8	5	1	83.299	17.7	93.3	12.39	38.12
65	530439	5277289	96-SMH-65	-0.3	5.1	1.8	-3	10	1	90.658	16.8	71.6	24.18	47.91
66	528002	5279772	96-SMH-66	-0.3	-0.3	0.4	-3	10	1	10.158	11.2	28.2	1.56	38.31
67	527549	5280153	96-SMH-67	-0.3	1.4	1.3	-3	10	-1	41.117	25.4	53.7	12.20	36.75
68	527625	5280787	96-SMH-68	-0.3	2.9	2.1	108	10	4	56.095	36.8	79.9	18.91	38.42
69	526943	5278982	96-SMH-69	-0.6	1.6	1.2	-6	5	1	107.666	18.4	24.9	6.20	47.73
71	538199	5296346	96-SMH-71	-0.6	0.9	0.8	-6	5	2	60.449	12.2	25.1	2.68	24.37
74	541548	5293140	96-SMH-74	-0.3	0.6	1.0	-3	10	-1	36.754	26.8	44.5	15.91	15.28
76	540998	5292278	96-SMH-76	-0.6	1.1	0.8	-6	5	3	48.63	18.6	35.7	8.65	36.40
77	540316	5293986	96-SMH-77	-0.3	0.8	0.9	-3	10	-1	33.9	14.6	16.2	3.46	36.52
78	538893	5294244	96-SMH-78	-0.6	0.9	-0.6	-6	5	-1	26.691	8.1	7.1	1.82	50.40
79	538936	5293024	96-SMH-79	-1	1	-1	-10	3	-1	43.691	17.5	14.3	4.09	55.89
81	538252	5293209	96-SMH-81	-0.6	0.9	0.8	-6	5	-1	64.489	14.7	18.8	2.94	49.67
82	538029	5293839	96-SMH-82	-0.6	0.9	-0.6	-6	5	-1	37.79	16.9	19.9	4.80	63.21
83	538160	5292379	96-SMH-83	-1	2	-1	-10	3	2	50.634	10.7	19.2	5.07	54.35
85	536577	5291903	96-SMH-85	-0.3	-0.3	1.0	-3	10	5	42.254	22.4	44.4	16.47	29.17
86	535879	5290393	96-SMH-86	-0.6	0.9	-0.6	-6	5	3	40.738	9.3	15.7	2.23	26.69
87	536536	5290349	96-SMH-87	-0.3	-0.3	0.4	-3	10	-1	29.568	11.6	24.1	5.10	29.75
88	537627	5290972	96-SMH-88	-0.6	1.5	0.9	-6	5	1	41.848	18.7	28.0	4.75	57.49
89	539172	5291522	96-SMH-89	-0.3	-0.3	1.2	-3	10	-1	55.459	19.4	36.2	8.49	36.69
91	538755	5290749	96-SMH-91	-0.6	0.6	-0.6	-6	5	-1	37.009	11.1	12.7	2.62	36.01
92	539352	5290093	96-SMH-92	-0.3	0.9	1.2	-3	10	1	69.845	21.4	42.1	12.33	40.41
93	540761	5291303	96-SMH-93	-1	2	-1	-10	3	2	235.32	16.7	20.3	9.51	57.73
94	541902	5290564	96-SMH-94	-1	1	1	-10	3	-1	88.679	22.1	47.1	11.37	38.77
95	539934	5288069	96-SMH-95	-0.3	0.6	1.3	-3	10	-1	109.157	35.8	64.0	18.30	41.37
97	537580	5289983	96-SMH-97	-1	-1	-1	-10	3	-1	53.059	33.1	39.3	7.06	68.50
98	536426	5289362	96-SMH-98	-0.3	0.8	0.8	-3	10	3	58.317	25.9	51.3	12.12	30.28
99	536638	5288270	96-SMH-99	-0.3	0.8	0.9	-3	10	4	58.988	28.6	56.3	14.46	24.83
101	537265	5286134	96-SMH-101	-0.3	-0.3	0.7	-3	10	-1	36.449	23.0	39.4	8.33	41.08
102	526257	5278298	96-SMH-102	-0.6	1.7	1.5	-6	5	2	85.825	30.4	50.6	10.55	50.02
103	525414	5278235	96-SMH-103	-0.3	1.0	0.9	-3	10	-1	42.178	25.8	65.1	11.44	35.96
104	525720	5277242	96-SMH-104	0.6	0.5	0.8	-3	10	-1	28.277	16.7	36.0	6.48	23.63
105	541610	5288383	96-SMH-105	N/A	N/A	N/A	N/A	N/A	3	318.553	22.4	37.4	102.81	48.58
106	540996	5288516	96-SMH-106	N/A	N/A	N/A	N/A	N/A	-1	166.46	18.9	22.1	18.25	56.19
107	542056	5288787	96-SMH-107	N/A	N/A	N/A	N/A	N/A	2	101.232	29.2	57.3	17.28	42.90
108	541444	5289358	96-SMH-108	-0.6	2.6	2.4	-6	5	-1	125.164	20.6	45.6	17.66	45.83
109	541700	5289835	96-SMH-109	-0.3	0.4	0.9	-3	10	2	93.889	24.7	52.3	12.21	39.05
111	542509	5290121	96-SMH-111	-0.6	2.0	0.8	-6	5	1	46.035	15.1	28.5	5.66	62.43
112	543236	5290458	96-SMH-112	-0.6	1.2	-0.6	-6	5	-1	21.227	12.4	14.8	4.44	61.60
113	544516	5289953	96-SMH-113	-1	-1	-1	-10	3	-1	27.121	17.8	20.9	6.00	65.38
114	544577	5289612	96-SMH-114	-1	-1	-1	-10	3	-1	28.057	14.7	19.5	3.83	67.90
115	544042	5287083	96-SMH-115	-0.6	1.7	1.4	-6	5	3	78.004	27.4	48.7	10.06	34.42
116	542654	5286432	96-SMH-116	-0.6	2.0	1.7	-6	5	3	153.061	35.9	57.0	26.55	36.29
117	542397	5285748	96-SMH-117	-0.6	1.8	-0.6	-6	5	-1	66.124	16.0	12.3	3.42	42.38
118	543714	5285438	96-SMH-118	-0.3	1.0	0.7	-3	10	4	200.191	34.5	58.1	39.59	42.69
119	543798	5284582	96-SMH-119	-0.6	1.4	0.8	-6	5	-1	75.692	18.9	17.1	5.60	49.07
121	541970	5283913	96-SMH-121	-0.3	0.6	1.1	-3	10	-1	31.639	7.8	8.8	1.50	25.95

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method——>	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units——>	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
122	540038	5284463	96-SMH-122	N/A	N/A	N/A	N/A	N/A	2	138.712	7.2	8.8	1.76	62.83
123	539406	5286423	96-SMH-123	-0.6	1.1	0.9	-6	5	1	52.317	21.1	37.8	3.32	50.58
124	539008	5285612	96-SMH-124	-0.3	-0.3	1.0	-3	10	-1	36.414	17.9	39.4	8.68	29.90
125	538781	5284621	96-SMH-125	-0.3	0.4	0.7	-3	10	2	21.554	14.8	21.9	7.39	45.36
126	537284	5284038	96-SMH-126	-0.3	-0.3	0.5	-3	10	2	40.586	10.8	13.7	1.98	57.42
128	543565	5280743	96-SMH-128	N/A	N/A	N/A	N/A	N/A	-1	22.823	13.9	24.4	1.34	49.00
129	544941	5278969	96-SMH-129	-0.6	0.8	0.6	-6	5	-1	31.997	11.0	29.9	21.77	51.75
131	543885	5279190	96-SMH-131	-0.3	-0.3	0.7	-3	10	-1	34.742	18.2	35.6	9.08	37.86
132	544700	5277900	96-SMH-132	-0.3	0.3	0.6	-3	10	2	21.958	12.2	16.5	2.27	38.96
133	544100	5277600	96-SMH-133	-0.3	-0.3	0.4	-3	10	2	18.578	17.8	19.1	1.29	34.26
134	544759	5277245	96-SMH-134	-0.6	0.8	-0.6	-6	5	-1	20.033	16.8	20.4	1.82	49.06
135	543179	5277521	96-SMH-135	N/A	N/A	N/A	N/A	N/A	-1	26.287	25.3	19.5	2.67	60.13
137	540736	5280204	96-SMH-137	-1	1	-1	-10	3	1	44.972	14.3	20.4	1.83	61.22
138	539750	5283450	96-SMH-138	-1	1	-1	-10	3	2	44.382	13.2	40.1	3.50	68.27
139	540452	5285863	96-SMH-139	-0.6	-0.6	-0.6	-6	5	-1	14.982	11.7	14.5	2.67	37.44
141	534667	5271056	96-SMH-141	N/A	N/A	N/A	N/A	N/A	-1	28.405	28.7	28.4	10.05	58.52
142	534568	5271509	96-SMH-142	N/A	N/A	N/A	N/A	N/A	1	28.334	25.7	28.1	8.87	58.47
143	534566	5269091	96-SMH-143	-0.3	-0.3	0.7	-3	10	-1	11.423	11.3	16.5	2.54	29.56
144	539938	5270009	96-SMH-144	-0.3	-0.3	-0.3	-3	10	-1	14.975	16.5	27.0	2.05	34.93
145	540250	5269443	96-SMH-145	-0.3	-0.3	-0.3	-3	10	-1	11.368	11.4	12.5	1.09	47.24
146	539799	5271231	96-SMH-146	-0.6	-0.6	-0.6	-6	5	1	16.72	12.9	15.0	1.49	41.77
147	540533	5270877	96-SMH-147	-0.6	0.6	-0.6	-6	5	2	21.238	18.5	30.1	2.03	49.06
148	541843	5270397	96-SMH-148	-0.3	-0.3	0.3	-3	10	-1	14.946	17.0	25.1	2.01	26.14
149	543035	5270496	96-SMH-149	-0.3	-0.3	-0.3	-3	10	-1	8.863	11.5	17.8	4.38	18.37
151	544340	5271461	96-SMH-151	-0.3	1.3	1.2	-3	10	-1	22.659	14.9	25.9	8.43	46.33
152	543298	5271363	96-SMH-152	-0.6	-0.6	-0.6	-6	5	2	24.342	15.7	24.3	3.46	41.18
153	542593	5271902	96-SMH-153	-0.6	-0.6	-0.6	-6	5	-1	19.239	18.4	21.0	10.22	48.83
154	542081	5272999	96-SMH-154	-0.6	-0.6	-0.6	-6	5	3	15.949	9.2	16.3	3.59	58.32
156	540793	5271884	96-SMH-156	-0.3	0.5	0.8	-3	10	-1	17.034	12.3	15.2	2.00	29.90
157	539812	5272654	96-SMH-157	-0.3	0.7	0.7	-3	10	-1	27.998	14.7	22.2	1.19	49.46
158	539007	5272204	96-SMH-158	-0.3	1.0	0.7	-3	10	-1	16.239	13.5	17.6	1.94	29.50
159	538771	5273742	96-SMH-159	-0.6	3.7	2.2	-6	5	4	169.233	32.2	54.6	13.14	33.14
161	538150	5273316	96-SMH-161	-0.6	0.8	-0.6	-6	5	-1	20.555	21.6	22.8	3.35	38.77
162	537122	5273956	96-SMH-162	-0.6	0.7	-0.6	-6	5	1	18.766	29.3	31.5	3.95	46.79
163	536270	5274611	96-SMH-163	-1	1	-1	-10	3	-1	21.387	18.8	17.8	2.90	49.54
165	537068	5275753	96-SMH-165	-0.6	-0.6	-0.6	-6	5	-1	10.626	12.9	21.9	2.21	31.58
166	537065	5275038	96-SMH-166	-0.6	-0.6	-0.6	-6	5	-1	18.206	13.9	15.1	1.78	48.35
167	538421	5275020	96-SMH-167	-0.6	0.9	0.7	-6	5	-1	31.206	20.2	34.2	4.28	41.14
168	539937	5278998	96-SMH-168	N/A	N/A	N/A	N/A	N/A	-1	30.458	19.7	33.1	4.32	71.87
171	539781	5275060	96-SMH-171	-1	1	1	-10	3	-1	37.165	24.4	49.2	14.16	45.42
173	540255	5273742	96-SMH-173	N/A	N/A	N/A	N/A	N/A	1	20.094	11.2	11.7	4.11	67.26
174	541165	5273969	96-SMH-174	-0.3	3.4	0.8	-3	10	1	41.157	14.7	30.2	2.79	56.10
175	542950	5273700	96-SMH-175	-0.3	0.4	0.7	-3	10	-1	16.469	11.2	12.8	2.48	39.94
176	544654	5274223	96-SMH-176	-0.3	0.4	0.7	-3	10	-1	18.908	14.3	28.1	6.78	33.75
177	545027	5273656	96-SMH-177	-1	-1	-1	-10	3	-1	13.816	21.3	36.4	2.78	36.67
178	544605	5275638	96-SMH-178	-0.6	0.7	-0.6	-6	5	-1	15.649	12.7	17.9	1.73	37.79
179	526575	5274948	96-SMH-179	0.7	3.0	2.2	7	5	-1	347	35.4	60.1	18.99	38.58
181	525834	5272771	96-SMH-181	-1	1	2	-10	3	-1	28.662	14.0	14.8	2.65	80.91
182	526014	5272251	96-SMH-182	-0.6	9.8	2.2	-6	5	3	220.648	19.6	61.5	3.93	50.65
184	527790	5272678	96-SMH-184	-0.6	1.0	0.6	-6	5	-1	77.359	17.4	23.0	5.45	36.81
186	529282	5269994	96-SMH-186	-0.3	0.7	0.9	-3	10	-1	29.863	17.6	32.8	3.57	38.96

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method————>	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units————>	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
187	529539	5271097	96-SMH-187	-0.3	1.2	1.1	-3	10	2	45.993	25.7	50.0	7.25	26.79
188	529860	5271813	96-SMH-188	-1	1	-1	-10	3	-1	186.54	11.8	13.1	7.54	57.52
189	529913	5272363	96-SMH-189	-0.3	0.4	-0.3	-3	10	3	86.676	13.3	17.6	8.27	71.24
191	529080	5272037	96-SMH-191	-1	4	1	-10	3	-1	67.017	13.0	19.9	2.86	64.98
192	529983	5273289	96-SMH-192	-0.3	8.3	2.0	3	10	6	325.286	15.5	79.7	2.74	29.28
193	531060	5276323	96-SMH-193	-0.6	1.1	0.7	-6	5	-1	50.327	10.6	6.4	4.81	42.94
194	527456	5276939	96-SMH-194	-0.3	1.0	1.1	-3	10	3	73.609	14.5	29.1	6.30	42.33
195	526544	5275816	96-SMH-195	N/A	N/A	N/A	N/A	N/A	-1	347	23.2	17.1	28.86	63.31
196	526904	5276166	96-SMH-196	-0.3	0.9	0.4	-3	10	3	150.203	16.8	21.1	6.85	51.22
197	526506	5277354	96-SMH-197	-0.3	-0.3	-0.3	-3	10	4	329.203	14.2	17.8	6.87	49.24
199	523155	5272023	96-SMH-199	-0.3	0.5	-0.3	-3	10	-1	45.068	35.6	34.9	4.63	62.53
201	523080	5269538	96-SMH-201	-1	-1	-1	-10	3	-1	29.271	18.4	21.7	3.24	42.96
202	520549	5271004	96-SMH-202	-0.6	0.9	0.8	-6	5	3	32.175	30.0	47.2	7.04	36.10
203	519659	5270628	96-SMH-203	N/A	N/A	N/A	N/A	N/A	3	49.147	32.8	46.4	4.99	59.06
205	519949	5272936	96-SMH-205	N/A	N/A	N/A	N/A	N/A	3	65.566	22.8	23.7	9.56	69.08
206	520481	5273277	96-SMH-206	-0.6	2.0	1.4	10	5	6	122.444	20.7	45.4	12.94	45.19
207	521214	5273606	96-SMH-207	-1	3	2	-10	3	4	117.12	38.1	66.2	13.87	42.84
208	521983	5273536	96-SMH-208	N/A	N/A	N/A	N/A	N/A	4	122.567	45.1	31.2	5.69	59.72
209	521919	5274209	96-SMH-209	-1	2	-1	-10	3	3	55.028	19.1	30.6	6.46	56.88
211	522543	5274630	96-SMH-211	-0.6	2.3	1.1	9	5	8	206.966	20.9	36.2	10.73	50.51
213	522253	5275713	96-SMH-213	-0.6	1.7	1.0	-6	5	6	213.303	30.2	51.6	7.58	48.43
214	522783	5275690	96-SMH-214	-0.6	1.4	0.7	-6	5	3	131.99	11.8	15.0	6.94	53.37
215	522382	5276074	96-SMH-215	-0.3	1.3	0.7	-3	10	5	257.978	16.8	16.1	11.57	38.13
216	523005	5276116	96-SMH-216	-1	2	1	-10	3	2	137.035	18.9	25.7	12.48	58.40
217	523717	5276704	96-SMH-217	-0.6	0.9	-0.6	-6	5	1	83.141	19.4	18.0	9.29	54.00
218	522368	5276983	96-SMH-218	-1	-1	-1	-10	3	-1	67.052	23.0	21.1	7.57	57.14
219	520135	5274916	96-SMH-219	-1	-1	-1	-10	3	-1	53.494	19.8	30.9	6.14	60.09
221	520452	5275506	96-SMH-221	-1	-1	-1	-10	3	-1	46.197	15.0	14.9	2.64	78.28
222	521109	5276433	96-SMH-222	-0.6	1.0	0.7	-6	5	2	63.962	19.2	22.2	3.39	52.44
223	525200	5276900	96-SMH-223	-0.6	0.8	-0.6	-6	5	2	95.627	26.0	23.0	9.55	42.27
224	524900	5277300	96-SMH-224	-0.6	0.9	2.0	-6	5	-1	41.576	18.8	23.6	4.66	48.25
225	521407	5277393	96-SMH-225	N/A	N/A	N/A	N/A	N/A	-1	18.503	11.6	27.3	66.18	33.06
226	532471	5289495	96-SMH-226	-0.3	-0.3	0.5	-3	10	2	34.871	15.1	17.3	3.53	36.45
227	533716	5289578	96-SMH-227	-0.6	-0.6	-0.6	-6	5	-1	22.312	8.3	9.2	1.35	41.77
228	534043	5290422	96-SMH-228	-0.6	-0.6	-0.6	-6	5	-1	48.181	13.8	18.1	3.31	56.27
229	534890	5291058	96-SMH-229	-0.6	0.8	0.8	-6	5	-1	31.61	10.4	21.2	3.54	34.11
231	533159	5291041	96-SMH-231	-0.6	1.9	0.9	-6	5	3	39.749	16.1	12.0	4.61	47.34
232	532152	5290643	96-SMH-232	N/A	N/A	N/A	N/A	N/A	1	52.438	11.4	13.4	2.81	69.46
233	531829	5291059	96-SMH-233	-1	-1	-1	-10	3	2	65.167	12.5	20.1	9.04	55.68
234	532493	5291762	96-SMH-234	-1	-1	-1	-10	3	-1	41.429	12.5	23.5	4.98	78.60
235	532213	5292633	96-SMH-235	-0.3	0.8	0.6	-3	10	3	142.668	12.3	23.7	3.54	23.63
236	532391	5294117	96-SMH-236	-0.6	76.0	22.8	34	5	37	347	56.8	96.2	62.04	43.64
237	533528	5292961	96-SMH-237	-0.6	-0.6	-0.6	-6	5	-1	55.002	14.1	20.4	4.62	45.03
238	534285	5293563	96-SMH-238	-1	1	-1	-10	3	2	54.889	24.2	41.4	7.66	54.18
239	534725	5292748	96-SMH-239	-0.6	-0.6	-0.6	-6	5	1	26.854	8.0	10.6	1.87	31.45
242	534794	5295057	96-SMH-242	-1	-1	-1	-10	3	-1	138.382	18.2	23.8	3.82	46.76
245	533124	5298500	96-SMH-245	-1	-1	1	-10	3	-1	87.002	15.9	25.8	5.32	57.66
246	531382	5297719	96-SMH-246	-0.6	2.5	1.6	-6	5	-1	50.799	21.3	45.0	11.24	31.74
252	529851	5296137	96-SMH-252	-0.6	1.1	-0.6	-6	5	-1	58.782	18.0	27.3	6.33	67.22
255	528425	5294050	96-SMH-255	N/A	N/A	N/A	N/A	N/A	-1	61.758	16.5	26.7	4.85	67.05
256	527817	5293776	96-SMH-256	-1	1	-1	-10	3	-1	82.992	17.1	21.6	7.48	60.61

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method----------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
258	527782	5294698	96-SMH-258	N/A	N/A	N/A	N/A	N/A	1	233.937	18.9	21.4	8.51	52.26
259	527019	5295040	96-SMH-259	-0.6	1.1	-0.6	-6	5	3	102.214	21.3	41.5	7.66	43.61
261	526477	5294210	96-SMH-261	-0.6	1.6	0.9	-6	5	2	77.166	20.6	35.7	11.20	48.07
264	525411	5292882	96-SMH-264	-0.3	3.2	1.4	-3	10	-1	75.894	23.4	53.7	12.27	31.50
265	525647	5291988	96-SMH-265	-0.6	2.4	1.3	-6	5	3	100.671	23.2	52.0	6.73	42.11
268	527583	5291947	96-SMH-268	-1	1	1	-10	3	2	83.692	13.7	23.8	5.56	51.61
269	528047	5292120	96-SMH-269	-0.6	3.3	1.0	-6	5	-1	119.867	25.3	37.7	6.47	48.52
271	527847	5291268	96-SMH-271	-0.3	4.0	1.9	-3	10	-1	75.574	19.4	33.8	5.10	46.92
272	530016	5290261	96-SMH-272	-0.3	0.6	0.6	-3	10	3	76.355	10.8	19.0	3.79	25.79
273	530946	5289679	96-SMH-273	-0.6	-0.6	-0.6	-6	5	1	36.224	9.2	12.8	1.78	32.89
274	529338	5289135	96-SMH-274	-1	-1	-1	-10	3	2	99.424	26.8	52.1	9.24	46.16
275	528552	5289791	96-SMH-275	-0.3	0.5	1.0	-3	10	-1	117.586	15.7	37.4	10.42	34.35
276	526842	5289422	96-SMH-276	-0.6	4.9	2.2	-6	5	5	112.204	28.7	66.6	25.82	37.23
277	524914	5289264	96-SMH-277	N/A	N/A	N/A	N/A	N/A	3	68.595	19.5	45.5	24.74	37.44
278	523959	5288736	96-SMH-278	-0.6	1.0	-0.6	-6	5	-1	104.149	20.6	18.0	7.21	54.19
279	522921	5288874	96-SMH-279	-0.6	-0.6	-0.6	-6	5	-1	32.866	16.3	14.5	5.06	49.50
281	522694	5289443	96-SMH-281	-0.6	0.9	-0.6	-6	5	3	39.654	17.1	25.3	8.99	43.14
282	524665	5290620	96-SMH-282	-0.3	0.9	1.0	-3	10	3	67.824	19.5	60.5	25.64	35.97
283	523946	5290988	96-SMH-283	-1	2	-1	-10	3	3	101.03	22.7	19.3	5.82	53.88
284	524285	5291388	96-SMH-284	-0.6	0.9	-0.6	-6	5	-1	93.071	26.3	33.1	9.20	41.32
286	523688	5292153	96-SMH-286	-0.6	1.1	-0.6	-6	5	-1	84.73	16.8	29.1	8.79	45.70
287	523758	5292722	96-SMH-287	-1	2	-1	-10	3	-1	96.585	23.9	34.2	7.40	62.07
288	524419	5292635	96-SMH-288	-1	2	-1	-10	3	2	47.571	20.7	24.4	6.30	63.33
289	525060	5293331	96-SMH-289	-0.6	0.9	-0.6	-6	5	-1	170.237	22.6	38.6	3.50	57.14
291	524812	5293753	96-SMH-291	-0.6	1.8	1.3	-6	5	1	152.93	28.2	57.9	18.47	44.16
292	523657	5293788	96-SMH-292	-1	2	-1	-10	3	-1	251.835	20.0	23.3	10.99	48.02
294	523609	5294821	96-SMH-294	-0.3	0.6	1.0	-3	10	2	43.104	28.7	43.9	15.33	29.46
295	524687	5295396	96-SMH-295	-0.6	0.9	-0.6	-6	5	-1	37.715	20.9	37.8	10.81	38.55
296	524456	5296389	96-SMH-296	-0.3	0.9	1.2	-3	10	4	89.174	32.8	44.4	14.97	34.66
297	524984	5298071	96-SMH-297	-0.3	1.2	1.1	-3	10	2	54.229	33.6	59.3	19.58	30.54
298	525589	5297360	96-SMH-298	-1	-1	-1	-10	3	2	26.988	12.2	7.0	1.27	53.07
299	523793	5296927	96-SMH-299	-1	2	-1	-10	3	2	60.103	13.9	9.5	2.37	48.43
301	522300	5297750	96-SMH-301	-1	2	-1	-10	3	-1	67.805	26.9	25.2	6.60	53.72
302	522855	5296414	96-SMH-302	-0.6	-0.6	-0.6	-6	5	-1	47.36	9.1	5.1	2.79	36.54
303	521897	5295343	96-SMH-303	-1	1	-1	-10	3	-1	43.513	17.3	18.9	3.51	57.88
304	521811	5293371	96-SMH-304	-0.3	0.5	1.0	-3	10	-1	45.734	34.9	56.6	17.40	34.20
306	520316	5290444	96-SMH-306	-0.3	-0.3	0.7	-3	10	-1	32.285	18.7	35.6	8.71	37.73
307	519483	5290124	96-SMH-307	-1	1	-1	-10	3	-1	34.96	26.9	29.9	11.22	55.50
308	518939	5290825	96-SMH-308	-0.6	0.8	-0.6	-6	5	-1	53.467	14.6	18.6	9.29	63.61
309	519051	5291904	96-SMH-309	-0.3	-0.3	0.5	-3	10	-1	22.286	17.7	26.4	7.34	19.43
311	520197	5291149	96-SMH-311	-0.3	-0.3	0.8	-3	10	-1	43.046	30.7	51.9	11.84	34.08
312	520832	5291085	96-SMH-312	-0.6	0.6	-0.6	-6	5	3	38.267	15.8	16.0	5.20	54.32
313	521555	5291437	96-SMH-313	-0.6	-0.6	-0.6	-6	5	2	25.397	15.2	14.5	3.72	38.78
314	521875	5293750	96-SMH-314	-0.3	0.5	0.8	-3	10	-1	40.828	29.1	47.4	13.87	32.73
315	521074	5292752	96-SMH-315	-0.6	1.4	0.9	-6	5	2	55.699	21.9	31.6	5.66	63.16
316	520147	5292447	96-SMH-316	-0.3	0.4	1.0	-3	10	-1	42.927	32.0	52.1	13.88	39.39
317	518710	5293134	96-SMH-317	-0.3	-0.3	0.5	-3	10	2	26.765	15.2	24.9	5.19	41.41
318	518606	5294524	96-SMH-318	-0.3	-0.3	0.6	-3	10	-1	20.72	19.5	30.4	7.91	22.23
319	519870	5294518	96-SMH-319	-0.3	-0.3	0.5	-3	10	-1	25.073	12.2	16.9	2.33	44.81
321	519414	5295338	96-SMH-321	N/A	N/A	N/A	N/A	N/A	2	41.616	15.7	9.7	2.22	77.06
322	517679	5295808	96-SMH-322	-1	1	-1	-10	3	3	51.604	13.3	14.0	2.25	58.26

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method——>	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units——>	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
323	518219	5295918	96-SMH-323	-0.6	1.0	-0.6	-6	5	3	24.363	19.5	23.5	13.24	26.14
324	518974	5295981	96-SMH-324	-0.6	0.8	0.7	-6	5	-1	39.512	18.3	30.9	10.29	46.61
325	520465	5296097	96-SMH-325	-0.3	-0.3	0.7	-3	10	-1	27.513	22.5	39.8	8.65	32.63
326	520159	5296992	96-SMH-326	-1	1	-1	-10	3	3	23.019	27.3	37.1	5.79	41.26
328	520673	5298182	96-SMH-328	-0.3	-0.3	0.8	-3	10	4	60.649	21.9	41.2	14.41	38.08
329	520110	5298205	96-SMH-329	-0.6	0.7	-0.6	-6	5	-1	32.881	24.2	47.3	59.73	55.00
331	518962	5297028	96-SMH-331	-0.6	0.9	-0.6	-6	5	-1	37.215	17.6	27.3	5.71	58.82
332	518483	5297739	96-SMH-332	-0.6	-0.6	-0.6	-6	5	3	35.655	20.1	32.6	7.52	46.89
333	517310	5297430	96-SMH-333	-0.6	-0.6	-0.6	-6	5	-1	55.842	13.9	12.6	4.84	67.53
334	517104	5298369	96-SMH-334	-0.3	-0.3	0.4	-3	10	2	26.206	10.6	13.7	2.44	39.79
335	516060	5298242	96-SMH-335	-0.6	1.0	-0.6	-6	5	3	65.834	18.7	18.7	4.77	42.89
336	514763	5298036	96-SMH-336	-0.6	0.8	-0.6	-6	5	-1	65.773	19.6	28.3	5.59	56.04
337	515159	5297321	96-SMH-337	-0.6	-0.6	-0.6	-6	5	6	89.428	17.7	33.2	4.52	59.25
338	514725	5295364	96-SMH-338	N/A	N/A	N/A	N/A	N/A	1	51.948	14.0	15.9	2.41	71.41
339	515233	5295172	96-SMH-339	-0.3	0.6	1.0	-3	10	-1	49.765	15.2	27.0	7.05	40.96
341	515166	5294736	96-SMH-341	-0.3	0.3	0.8	-3	10	-1	23.046	12.8	24.2	4.31	41.90
342	516146	5293888	96-SMH-342	-1	-1	-1	-10	3	-1	29.236	16.7	19.7	2.62	70.37
343	517107	5294005	96-SMH-343	-1	1	-1	-10	3	4	65.443	11.7	11.7	1.95	70.13
344	516347	5293323	96-SMH-344	-0.6	-0.6	-0.6	-6	5	3	28.044	14.2	21.1	3.05	55.19
345	515342	5292895	96-SMH-345	-0.3	0.9	1.0	-3	10	1	32.135	18.4	41.4	6.92	35.43
346	517277	5290463	96-SMH-346	-0.6	0.8	-0.6	-6	5	-1	62.156	10.4	10.2	2.16	60.58
347	516579	5287675	96-SMH-347	-0.6	1.6	0.9	-6	5	-1	48.037	21.8	37.1	5.83	44.28
348	515981	5288583	96-SMH-348	-0.6	1.8	1.2	-6	5	2	65.053	19.5	37.6	5.96	40.90
349	515882	5289363	96-SMH-349	-0.3	-0.3	0.5	-3	10	2	22.614	8.8	17.1	4.37	49.82
351	515865	5290716	96-SMH-351	-0.6	1.1	0.7	-6	5	2	58.777	18.2	27.4	6.64	36.18
352	515213	5289881	96-SMH-352	-0.6	0.9	-0.6	-6	5	3	36.155	18.2	37.5	5.72	50.79
353	514848	5290204	96-SMH-353	-0.6	0.8	-0.6	-6	5	2	37.535	25.7	38.2	8.52	52.82
354	514396	5289787	96-SMH-354	-0.3	-0.3	0.6	-3	10	-1	21.611	17.7	29.7	4.61	44.14
355	514114	5288135	96-SMH-355	-0.3	0.3	1.0	-3	10	-1	61.91	23.9	38.5	5.97	52.70
356	513634	5288988	96-SMH-356	-0.6	0.8	-0.6	-6	5	-1	38.384	17.3	25.0	4.04	47.24
357	512696	5291907	96-SMH-357	-0.3	0.4	0.6	-3	10	-1	27.439	12.0	18.1	3.37	44.15
358	513037	5292401	96-SMH-358	-0.3	-0.3	0.8	-3	10	15	23.718	16.7	31.4	7.41	36.11
359	513388	5294134	96-SMH-359	0.3	0.3	0.8	-3	10	2	48.987	19.3	40.5	4.86	39.08
361	512906	5295996	96-SMH-361	-0.6	0.7	-0.6	-6	5	-1	32.124	16.9	11.9	3.03	43.44
362	510106	5297113	96-SMH-362	-0.6	0.9	0.7	-6	5	-1	53.279	25.9	60.3	8.62	37.13
363	509668	5298073	96-SMH-363	-0.3	-0.3	0.7	-3	10	2	27.87	19.8	36.2	7.43	23.25
364	507279	5295800	96-SMH-364	-0.6	-0.6	-0.6	-6	5	1	48.024	15.5	19.1	2.06	48.97
365	505153	5297378	96-SMH-365	-0.3	-0.3	0.6	-3	10	2	23.352	24.6	37.9	5.87	14.32
366	503065	5297437	96-SMH-366	-0.6	1.1	-0.6	-6	5	3	29.321	21.1	33.7	5.30	44.07
367	502534	5296689	96-SMH-367	-1	-1	-1	-10	3	2	99.667	30.7	24.5	7.18	51.43
369	503723	5296562	96-SMH-369	-0.3	0.5	0.5	-3	10	-1	45.862	25.7	31.4	4.33	28.75
371	503209	5295487	96-SMH-371	-0.3	1.4	1.7	-3	10	3	87.218	36.9	47.3	8.47	47.75
372	502213	5295430	96-SMH-372	-0.3	-0.3	0.6	-3	10	-1	25.766	35.0	28.7	3.05	27.30
373	501919	5294888	96-SMH-373	-0.3	1.7	1.7	3	10	4	139.288	221.9	165.3	15.96	32.10
374	501814	5294247	96-SMH-374	-0.3	-0.3	0.6	-3	10	-1	58.317	100.9	64.6	4.02	31.70
375	502592	5293803	96-SMH-375	N/A	N/A	N/A	N/A	N/A	-1	18.345	70.3	27.5	2.16	76.06
376	502862	5294089	96-SMH-376	-1	-1	-1	-10	3	-1	76.179	24.3	17.0	9.10	65.87
377	503088	5294163	96-SMH-377	-0.6	2.7	1.6	-6	5	-1	54.258	112.1	60.1	33.18	49.22
378	503169	5294825	96-SMH-378	-0.6	-0.6	-0.6	-6	5	2	56.201	41.9	44.8	8.66	50.77
379	503336	5294469	96-SMH-379	-0.6	0.8	-0.6	-6	5	5	123.893	23.8	30.9	9.42	41.46
381	505298	5295261	96-SMH-381	-0.6	0.7	-0.6	-6	5	-1	32.382	18.7	24.7	3.95	52.13

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method------------>	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units--------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
382	505891	5294632	96-SMH-382	-0.6	1.1	-0.6	-6	5	2	44.038	16.9	22.7	2.38	52.88
383	506087	5295057	96-SMH-383	-0.6	0.8	-0.6	-6	5	-1	24.21	13.2	18.3	1.78	44.90
384	506166	5293585	96-SMH-384	-0.6	1.9	1.1	-6	5	1	69.407	21.0	31.8	6.83	56.73
385	505578	5292734	96-SMH-385	-0.3	-0.3	0.8	-3	10	3	34.208	13.9	13.8	3.69	29.77
387	505118	5289692	96-SMH-387	-1	1	-1	-10	3	-1	53.064	11.9	12.5	3.61	57.30
388	504078	5290976	96-SMH-388	-0.3	-0.3	-0.3	-3	10	1	22.464	11.6	13.2	2.98	55.26
389	499930	5293681	96-SMH-389	-1	1	-1	-10	3	3	67.825	53.3	58.4	7.19	41.88
391	499549	5293848	96-SMH-391	-0.6	0.9	-0.6	-6	5	-1	0	0.0	0.0	0.00	38.23
392	499170	5294876	96-SMH-392	-0.3	-0.3	0.5	-3	10	1	2.532	1.8	0.0	0.11	41.49
393	500284	5295613	96-SMH-393	N/A	N/A	N/A	N/A	N/A	5	15.639	19.8	17.0	2.39	64.67
396	499979	5298465	96-SMH-396	-0.6	0.9	0.6	-6	5	1	4.371	5.9	3.6	0.67	24.94
397	498298	5297992	96-SMH-397	-0.6	1.3	0.6	-6	5	-1	13.846	28.8	33.7	2.58	48.62
398	496771	5298135	96-SMH-398	-0.6	0.7	-0.6	-6	5	2	35.984	37.5	45.4	5.52	49.87
399	496485	5298511	96-SMH-399	-0.6	1.2	-0.6	-6	5	5	51.196	32.0	49.6	11.26	47.92
401	495855	5298036	96-SMH-401	-1	1	-1	-10	3	2	56.585	23.2	50.4	5.69	55.11
402	495487	5296767	96-SMH-402	-0.3	-0.3	0.6	-3	10	1	64.685	25.0	51.2	6.77	34.34
403	494169	5295341	96-SMH-403	-0.6	1.2	0.8	-6	5	3	17.811	17.1	29.1	2.99	29.00
404	494885	5294340	96-SMH-404	-0.3	1.0	0.9	-3	10	-1	50.958	27.4	61.5	5.54	45.14
405	496319	5295161	96-SMH-405	-0.3	0.7	0.6	-3	10	-1	40.14	21.3	41.3	4.02	44.24
406	497289	5294268	96-SMH-406	-1	-1	-1	-10	3	-1	26.291	9.2	24.4	1.27	56.08
407	497462	5295402	96-SMH-407	-0.6	-0.6	-0.6	-6	5	2	107.002	22.9	18.6	3.91	37.54
408	498521	5295795	96-SMH-408	-0.3	0.6	0.7	-3	10	4	41.912	35.8	45.3	4.78	45.14
409	498187	5296458	96-SMH-409	-0.6	-0.6	-0.6	-6	5	-1	84.609	19.1	16.8	4.20	49.07
411	497555	5296358	96-SMH-411	-0.6	1.0	-0.6	-6	5	1	50.124	33.4	41.6	6.00	56.65
412	497799	5296825	96-SMH-412	-0.6	-0.6	-0.6	-6	5	3	26.935	15.5	10.0	2.12	60.24
413	495755	5296005	96-SMH-413	N/A	N/A	N/A	N/A	N/A	1	12.964	10.7	8.0	0.73	57.99
414	494385	5291271	96-SMH-414	-1	1	-1	-10	3	3	42.694	25.5	38.9	4.73	60.70
415	495175	5291803	96-SMH-415	-0.3	1.8	0.9	-3	10	2	60.524	30.1	52.7	4.55	60.36
416	495430	5291464	96-SMH-416	N/A	N/A	N/A	N/A	N/A	-1	18.134	14.4	10.9	4.26	80.14
418	498697	5292741	96-SMH-418	-1	1	-1	-10	3	-1	66.123	43.5	31.5	3.77	67.89
419	499133	5292483	96-SMH-419	-0.3	0.9	1.0	-3	10	4	48.098	38.2	44.4	5.58	35.52
421	499877	5292524	96-SMH-421	-0.3	0.8	1.0	-3	10	-1	85.352	61.0	63.0	6.76	38.62
422	499931	5291666	96-SMH-422	-1	1	-1	-10	3	-1	117.683	22.7	17.5	2.26	47.09
423	507770	5292884	96-SMH-423	-0.3	0.6	0.8	-3	10	2	48.52	14.4	23.5	3.74	41.95
426	512206	5290168	96-SMH-426	-0.6	-0.6	-0.6	-6	5	-1	33.418	14.3	20.8	1.47	66.36
427	513835	5284431	96-SMH-427	-0.6	0.7	-0.6	-6	5	2	37.655	24.4	37.5	3.50	49.50
428	512187	5284376	96-SMH-428	-0.3	0.7	0.5	-3	10	-1	75.463	21.8	28.8	3.57	32.49
429	513706	5286250	96-SMH-429	-1	1	-1	-10	3	-1	30.548	17.2	15.7	2.48	55.01
431	513108	5286601	96-SMH-431	-0.6	1.0	-0.6	-6	5	-1	31.242	16.5	24.2	4.37	37.20
432	505609	5287363	96-SMH-432	N/A	N/A	N/A	N/A	N/A	-1	42.175	13.6	20.6	2.47	63.19
433	505063	5288176	96-SMH-433	N/A	N/A	N/A	N/A	N/A	-1	78.723	27.8	52.7	7.31	57.75
434	505213	5288572	96-SMH-434	-1	-1	-1	-10	3	-1	81.532	27.3	58.9	4.82	37.30
435	505822	5288443	96-SMH-435	-0.6	1.5	-0.6	-6	5	-1	98.816	17.5	25.4	3.83	60.88
436	501063	5289532	96-SMH-436	-0.6	1.6	0.8	-6	5	3	46.398	40.5	47.6	4.98	37.87
437	500399	5289712	96-SMH-437	-0.6	1.9	0.8	-6	5	2	54.392	47.8	66.9	6.00	35.09
438	499438	5289124	96-SMH-438	-0.6	2.1	0.8	-6	5	6	65.398	60.5	100.5	7.12	38.04
439	499357	5288085	96-SMH-439	N/A	N/A	N/A	N/A	N/A	-1	69.116	48.9	31.3	2.90	69.38
441	498390	5289923	96-SMH-441	-0.6	1.7	0.6	-6	5	3	56.693	39.8	40.6	4.15	45.54
442	499105	5290574	96-SMH-442	N/A	N/A	N/A	N/A	N/A	2	24.702	16.4	12.3	2.30	67.98
443	498790	5291388	96-SMH-443	-0.6	2.0	0.8	-6	5	5	59.968	48.0	67.0	7.47	36.63
444	494969	5289608	96-SMH-444	-0.3	0.5	0.6	-3	10	-1	27.67	29.9	57.2	7.21	15.96

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method----------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units----------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
445	496671	5288982	96-SMH-445	1	1	-1	-10	3	2	69.55	24.0	20.5	2.94	52.71
446	495408	5284064	96-SMH-446	N/A	N/A	N/A	N/A	N/A	4	52.679	28.5	31.3	2.40	74.04
447	495595	5285485	96-SMH-447	-1	1	-1	-10	3	-1	12.446	7.8	10.6	0.60	60.06
448	499605	5286775	96-SMH-448	-1	2	-1	-10	3	3	43.088	23.3	31.3	4.19	65.02
449	500396	5283666	96-SMH-449	-0.6	1.5	-0.6	-6	5	-1	64.401	23.3	23.7	3.34	43.86
451	500325	5284825	96-SMH-451	-0.6	1.9	0.6	-6	5	2	110.427	37.4	44.0	6.24	49.13
452	500690	5286310	96-SMH-452	-0.6	2.2	0.8	-6	5	-1	124.418	49.8	71.5	7.28	44.05
453	498582	5286923	96-SMH-453	-0.6	0.9	-0.6	-6	5	2	18.435	13.2	7.1	1.11	45.18
455	499114	5284716	96-SMH-455	-1	1	-1	-10	3	2	50.653	19.5	29.6	1.56	30.74
456	502146	5284135	96-SMH-456	-0.6	-0.6	-0.6	-6	5	-1	34.388	17.7	28.9	2.64	43.12
457	503157	5283682	96-SMH-457	N/A	N/A	N/A	N/A	N/A	-1	15.587	23.3	16.2	1.73	88.81
458	503737	5284155	96-SMH-458	-0.6	0.8	-0.6	-6	5	-1	36.416	21.6	39.4	5.99	49.76
459	503282	5285124	96-SMH-459	-0.6	1.2	0.8	-6	5	2	34.619	29.0	57.2	6.26	41.06
461	504595	5286033	96-SMH-461	-0.6	1.5	1.2	-6	5	2	115.678	19.8	36.6	9.04	49.75
462	504127	5286945	96-SMH-462	-0.6	2.1	0.9	-6	5	4	63.778	18.5	24.6	5.08	68.29
463	503785	5287049	96-SMH-463	-0.3	0.7	0.8	-3	10	3	28.833	26.2	46.7	8.91	16.34
465	507333	5284128	96-SMH-465	-0.6	0.7	-0.6	-6	5	2	53.787	30.2	53.2	3.41	61.48
466	508933	5284892	96-SMH-466	-0.3	3.2	2.2	-3	10	-1	28.935	33.8	107.2	4.64	58.02
467	525024	5281263	96-SMH-467	-0.3	1.7	1.3	-3	10	4	51.028	26.3	55.5	18.43	22.76
469	523895	5284138	96-SMH-469	-1	-1	-1	-10	3	7	153.952	18.8	18.3	35.94	69.68
471	524060	5284723	96-SMH-471	N/A	N/A	N/A	N/A	N/A	5	179.25	26.5	31.7	38.33	57.68
472	524500	5285950	96-SMH-472	-0.3	1.1	0.8	-3	10	3	20.971	14.4	25.5	6.68	10.73
473	524526	5286586	96-SMH-473	-0.3	1.4	1.2	-3	10	1	54.342	24.2	54.6	19.42	24.48
474	524610	5287753	96-SMH-474	-0.3	0.8	0.8	-3	10	-1	48.835	18.4	45.0	9.84	27.80
475	523903	5286835	96-SMH-475	N/A	N/A	N/A	N/A	N/A	-1	113.645	24.9	17.3	8.09	60.55
476	523354	5286187	96-SMH-476	-1	1	-1	-10	3	2	57.126	26.2	19.4	8.54	67.65
478	519075	5287412	96-SMH-478	-0.6	0.6	-0.6	-6	5	3	20.535	15.9	20.5	3.70	40.89
479	519943	5285800	96-SMH-479	-0.6	0.6	-0.6	-6	5	-1	19.644	12.2	9.2	3.06	47.77
481	520448	5286241	96-SMH-481	-0.6	0.9	-0.6	-6	5	-1	40.061	13.1	17.8	4.49	54.11
482	521023	5285212	96-SMH-482	-0.6	1.3	-0.6	-6	5	-1	63.524	24.6	33.2	13.89	32.78
483	521834	5285555	96-SMH-483	-0.6	-0.6	-0.6	-6	5	1	21.419	11.3	6.6	2.58	50.15
484	522839	5284889	96-SMH-484	-0.6	2.3	1.3	-6	5	1	116.41	19.0	22.2	8.21	45.85
485	522499	5284188	96-SMH-485	-0.6	1.6	-0.6	-6	5	-1	125.374	18.4	23.1	8.01	44.39
486	522922	5283919	96-SMH-486	N/A	N/A	N/A	N/A	N/A	3	188.819	27.7	39.4	16.93	61.77
487	523615	5283188	96-SMH-487	N/A	N/A	N/A	N/A	N/A	2	79.535	21.9	6.8	9.33	55.74
488	523831	5282794	96-SMH-488	N/A	N/A	N/A	N/A	N/A	-1	138.124	15.3	10.3	21.69	72.10
489	523051	5281029	96-SMH-489	-0.3	1.7	2.2	5	10	6	126.687	18.0	29.6	8.28	7.55
491	521397	5280234	96-SMH-491	-0.6	1.3	0.8	-6	5	3	119.461	15.2	25.3	18.16	58.81
493	520865	5281076	96-SMH-493	N/A	N/A	N/A	N/A	N/A	2	67.545	12.7	10.9	6.32	64.18
496	517966	5282386	96-SMH-496	-1	-1	-1	-10	3	4	40.12	12.9	29.3	3.55	60.91
497	517468	5282079	96-SMH-497	-1	-1	-1	-10	3	-1	40.755	10.4	10.2	2.62	76.79
498	516428	5280509	96-SMH-498	-0.6	1.6	0.9	-6	5	-1	81.507	60.8	50.3	5.68	43.59
499	516242	5281680	96-SMH-499	-0.3	1.5	1.2	4	10	-1	65.068	77.9	55.5	14.08	27.39
501	517393	5283308	96-SMH-501	-0.3	0.9	0.8	-3	10	N/A	45.259	18.2	33.8	5.19	45.17
502	518031	5283801	96-SMH-502	-0.6	1.3	0.9	-6	5	2	46.552	23.2	55.1	6.30	44.64
503	519823	5284541	96-SMH-503	-1	-1	-1	-10	3	2	38.798	21.7	38.2	5.60	36.16
504	519251	5283404	96-SMH-504	-0.6	0.6	-0.6	-6	5	-1	36.505	16.3	25.0	7.90	50.43
505	519846	5283167	96-SMH-505	N/A	N/A	N/A	N/A	N/A	-1	26.179	9.6	12.7	3.96	68.77
506	519950	5282650	96-SMH-506	N/A	N/A	N/A	N/A	N/A	-1	22.107	12.8	16.6	4.64	65.71
508	521215	5283467	96-SMH-508	-0.3	2.4	1.9	-3	10	2	145.958	44.5	50.3	17.44	27.15
509	521990	5282990	96-SMH-509	N/A	N/A	N/A	N/A	N/A	-1	125.509	22.5	23.9	8.10	61.65

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method——>	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units——>	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
511	522594	5283098	96-SMH-511	N/A	N/A	N/A	N/A	N/A	-1	60.08	21.5	13.3	9.90	57.61
512	522739	5282534	96-SMH-512	N/A	N/A	N/A	N/A	N/A	2	55.409	15.5	12.7	10.12	65.06
513	523313	5282058	96-SMH-513	N/A	N/A	N/A	N/A	N/A	-1	108.605	16.3	17.8	11.47	66.29
514	524179	5281904	96-SMH-514	N/A	N/A	N/A	N/A	N/A	-1	142.781	13.7	16.3	5.69	75.61
515	523590	5283818	96-SMH-515	-1	-1	-1	14	3	1	59.094	9.6	2.5	7.80	41.69
516	517647	5280994	96-SMH-516	-0.6	0.9	-0.6	-6	5	-1	62.038	12.7	19.0	2.14	66.63
517	517801	5280314	96-SMH-517	N/A	N/A	N/A	N/A	N/A	-1	55.401	37.6	18.0	3.11	56.87
518	518163	5279203	96-SMH-518	N/A	N/A	N/A	N/A	N/A	5	91.12	42.5	21.5	4.49	52.46
521	522894	5279749	96-SMH-521	-1	-1	-1	-10	3	-1	151.624	12.8	9.3	3.19	46.68
522	521877	5279764	96-SMH-522	-0.6	-0.6	-0.6	-6	5	-1	51.888	18.7	20.4	1.92	47.68
523	520071	5279235	96-SMH-523	N/A	N/A	N/A	N/A	N/A	2	107.61	61.6	55.4	9.42	70.15
524	514704	5280136	96-SMH-524	-1	3	2	-10	3	11	149.802	22.1	45.1	15.11	47.10
525	513338	5281102	96-SMH-525	N/A	N/A	N/A	N/A	N/A	-1	133.427	17.0	14.8	5.00	55.07
526	513569	5281715	96-SMH-526	-1	-1	1	-10	3	-1	152.382	30.9	54.8	8.94	53.83
527	513498	5282430	96-SMH-527	-0.3	1.4	1.2	-3	10	-1	110.466	26.3	40.9	7.73	46.20
529	512871	5283611	96-SMH-529	-0.3	1.0	1.0	-3	10	2	112.429	23.3	46.3	11.14	44.77
531	512111	5283585	96-SMH-531	-0.3	0.5	1.1	-3	10	-1	71.67	17.6	31.0	11.47	43.07
532	511680	5282493	96-SMH-532	N/A	N/A	N/A	N/A	N/A	1	118.676	23.7	16.4	5.77	56.31
533	510797	5282168	96-SMH-533	N/A	N/A	N/A	N/A	N/A	-1	140.328	20.2	23.6	7.54	61.02
534	510868	5282676	96-SMH-534	-1	-1	-1	-10	3	-1	49.269	14.7	16.9	3.16	53.51
535	509884	5282827	96-SMH-535	N/A	N/A	N/A	N/A	N/A	-1	106.547	25.4	42.8	8.00	35.54
536	507170	5282870	96-SMH-536	-0.6	1.4	0.6	-6	5	2	32.496	23.0	48.7	4.26	38.18
537	507307	5283006	96-SMH-537	-0.6	0.8	-0.6	-6	5	-1	72.806	16.9	28.3	7.13	49.85
538	506109	5283032	96-SMH-538	-1	-1	-1	-10	3	-1	43.078	27.4	41.4	5.35	59.87
539	503509	5282873	96-SMH-539	-0.6	-0.6	-0.6	-6	5	-1	19.744	14.1	11.5	2.83	45.95
541	502078	5282496	96-SMH-541	-0.3	-0.3	0.7	-3	10	-1	21.848	16.8	25.5	4.10	40.44
542	500933	5280892	96-SMH-542	-0.6	3.1	-0.6	-6	5	2	237.505	19.4	31.2	1.34	26.32
543	499345	5282104	96-SMH-543	-0.3	2.0	1.5	-3	10	3	97.589	33.2	53.8	10.21	28.87
544	499629	5282925	96-SMH-544	-0.3	1.9	1.3	3	10	2	111.791	36.9	58.4	11.72	31.89
545	497427	5281221	96-SMH-545	-0.3	2.5	1.5	5	10	3	73.91	94.1	74.5	9.68	44.38
546	494538	5282369	96-SMH-546	-0.3	1.2	1.1	-3	10	-1	31.046	47.3	101.4	12.06	23.75
547	494463	5282976	96-SMH-547	-0.3	-0.3	0.5	-3	10	-1	9.397	22.4	37.6	7.40	6.41
548	494890	5281317	96-SMH-548	-0.6	16.8	3.7	7	5	6	164.963	51.7	99.2	3.77	56.28
551	495270	5282076	96-SMH-551	-0.6	3.2	0.9	-6	5	3	110.839	35.3	35.0	1.63	61.83
553	495057	5279343	96-SMH-553	-1	1	2	-10	3	2	30.398	15.6	27.0	3.66	68.89
554	494747	5278507	96-SMH-554	N/A	N/A	N/A	N/A	N/A	-1	31.964	36.0	83.0	4.47	51.97
555	495538	5278664	96-SMH-555	-1	7	1	-10	3	1	28.273	18.2	54.4	1.87	45.42
556	497636	5278683	96-SMH-556	-1	4	2	-10	3	-1	53.701	90.2	47.6	6.02	60.47
557	498064	5278905	96-SMH-557	N/A	N/A	N/A	N/A	N/A	3	52.472	120.1	44.1	4.07	77.81
558	498972	5279167	96-SMH-558	-0.3	1.1	1.1	58	10	65	69.482	127.3	37.6	5.37	39.83
559	505374	5279749	96-SMH-559	-0.3	-0.3	0.6	-3	10	-1	17.39	15.7	21.6	4.93	36.24
561	505254	5283294	96-SMH-561	N/A	N/A	N/A	N/A	N/A	-1	21.836	23.0	37.2	2.89	73.26
562	507250	5283350	96-SMH-562	N/A	N/A	N/A	N/A	N/A	4	82.677	26.5	50.0	12.30	55.30
563	506086	5281620	96-SMH-563	-0.3	1.0	-0.3	-3	10	3	44.865	27.5	39.2	7.17	33.69
565	516786	5278933	96-SMH-565	-0.3	-0.3	-0.3	-3	10	-1	68.914	15.0	7.0	2.07	62.24
566	517552	5277717	96-SMH-566	-1	-1	-1	-10	3	-1	32.799	22.4	8.7	2.32	44.06
567	516072	5278854	96-SMH-567	-0.3	-0.3	0.5	-3	10	5	24.487	19.3	36.1	7.33	27.03
568	514626	5279218	96-SMH-568	N/A	N/A	N/A	N/A	N/A	-1	69.839	15.7	12.2	5.48	52.35
569	512595	5280188	96-SMH-569	N/A	N/A	N/A	N/A	N/A	2	94.698	23.0	36.0	7.96	65.15
571	511664	5280677	96-SMH-571	-0.6	1.2	0.6	-6	5	3	57.877	13.5	20.4	3.57	42.97
572	511139	5280692	96-SMH-572	N/A	N/A	N/A	N/A	N/A	-1	59.966	[illegible]	42.0	6.16	42.71

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method------------>	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units--------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
573	510894	5279965	96-SMH-573	N/A	N/A	N/A	N/A	N/A	3	58.613	31.2	48.6	6.57	37.13
574	507282	5280893	96-SMH-574	N/A	N/A	N/A	N/A	N/A	1	53.911	15.7	24.0	5.93	53.13
575	506939	5280692	96-SMH-575	N/A	N/A	N/A	N/A	N/A	4	66.509	21.1	24.1	6.00	56.86
576	507121	5279928	96-SMH-576	N/A	N/A	N/A	N/A	N/A	3	30.018	19.8	17.9	4.87	48.84
577	505683	5277809	96-SMH-577	-0.6	-0.6	-0.6	-6	5	4	35.832	8.4	12.1	3.13	47.37
578	504129	5276986	96-SMH-578	-1	2	1	-10	3	4	203.831	28.9	77.1	2.64	47.97
579	499848	5277045	96-SMH-579	N/A	N/A	N/A	N/A	N/A	4	55.695	25.2	15.9	3.37	63.51
581	498881	5277341	96-SMH-581	-0.3	1.7	1.1	75	10	97	81.207	72.6	43.1	4.35	48.13
582	498316	5276803	96-SMH-582	-0.6	1.7	0.6	105	5	100	39.966	32.8	25.7	4.86	60.69
583	499363	5275565	96-SMH-583	-1	4	1	25	3	28	46.218	51.2	56.0	5.09	46.53
584	500077	5275222	96-SMH-584	-0.6	3.4	1.1	18	5	36	43.61	47.6	36.7	2.90	52.46
585	501807	5275191	96-SMH-585	-0.6	1.2	0.7	-6	5	-1	30.485	19.1	23.5	3.88	55.24
586	502230	5274844	96-SMH-586	N/A	N/A	N/A	N/A	N/A	N/A	56.471	14.8	12.2	2.78	60.96
587	503595	5274734	96-SMH-587	N/A	N/A	N/A	N/A	N/A	-1	N/A	N/A	N/A	N/A	86.47
588	503500	5274100	96-SMH-588	-0.6	8.3	3.4	-6	5	2	44.709	43.6	71.3	10.25	65.49
589	503731	5273596	96-SMH-589	N/A	N/A	N/A	N/A	N/A	-1	19.397	30.6	30.8	5.62	82.70
591	503954	5272778	96-SMH-591	-1	2	-1	-10	3	-1	48.739	41.1	35.4	3.36	61.75
592	503352	5272145	96-SMH-592	N/A	N/A	N/A	N/A	N/A	-1	89.798	58.2	149.3	6.57	59.76
593	503444	5271528	96-SMH-593	-1	6	2	-10	3	-1	39.521	23.7	126.5	1.88	35.26
594	503498	5269757	96-SMH-594	-0.3	-0.3	0.7	-3	10	-1	13.041	24.7	42.5	7.73	21.34
595	503782	5269500	96-SMH-595	-0.3	2.1	1.2	-3	10	-1	32.71	35.6	66.0	9.25	29.43
596	501507	5270544	96-SMH-596	-0.3	0.9	0.6	-3	10	4	26.645	23.9	36.7	5.66	29.43
598	499991	5271272	96-SMH-598	-0.6	0.6	-0.6	-6	5	-1	27.561	24.0	51.2	5.13	50.03
599	499136	5271993	96-SMH-599	N/A	N/A	N/A	N/A	N/A	-1	13.713	29.3	32.7	2.80	76.41
601	499570	5272181	96-SMH-601	-0.6	1.3	1.0	-6	5	-1	19.391	43.5	61.8	7.65	52.95
602	499320	5272454	96-SMH-602	N/A	N/A	N/A	N/A	N/A	-1	10.879	22.3	23.9	2.79	84.23
603	498991	5272864	96-SMH-603	N/A	N/A	N/A	N/A	N/A	-1	20.837	39.5	50.1	3.38	68.84
604	501358	5272446	96-SMH-604	N/A	N/A	N/A	N/A	N/A	-1	51.228	21.4	13.0	4.20	84.74
605	499415	5273424	96-SMH-605	N/A	N/A	N/A	N/A	N/A	2	39.541	90.9	91.5	5.79	65.72
606	499546	5274193	96-SMH-606	-0.6	3.1	0.9	-6	5	2	19.124	33.8	38.2	3.76	47.72
607	498332	5273656	96-SMH-607	N/A	N/A	N/A	N/A	N/A	-1	20.148	45.0	26.6	3.66	74.06
608	498496	5273301	96-SMH-608	N/A	N/A	N/A	N/A	N/A	2	16.362	50.5	40.4	2.61	66.29
609	498104	5273035	96-SMH-609	N/A	N/A	N/A	N/A	N/A	4	17.088	21.0	30.3	4.40	77.46
611	497910	5273651	96-SMH-611	N/A	N/A	N/A	N/A	N/A	-1	38.381	95.4	72.6	7.56	71.20
612	498039	5274254	96-SMH-612	-1	-1	-1	-10	3	-1	24.894	41.9	64.1	2.79	82.57
613	497382	5274498	96-SMH-613	-0.6	2.9	1.4	-6	5	-1	23.34	18.9	71.3	3.26	64.61
614	497748	5275046	96-SMH-614	N/A	N/A	N/A	N/A	N/A	-1	14.887	31.5	16.1	1.34	66.52
615	498673	5274834	96-SMH-615	-0.6	4.9	1.8	-6	5	-1	28.838	46.7	59.7	5.02	68.62
616	498138	5277520	96-SMH-616	N/A	N/A	N/A	N/A	N/A	2	38.355	36.0	20.9	2.67	73.22
618	513069	5279931	96-SMH-618	N/A	N/A	N/A	N/A	N/A	-1	52.962	34.0	9.3	4.61	65.75
619	520860	5278953	96-SMH-619	-1	3	1	-10	3	7	45.968	17.2	28.9	5.68	68.15
621	520224	5278654	96-SMH-621	-1	2	1	-10	3	8	45.318	22.5	25.6	6.88	75.63
622	513906	5278431	96-SMH-622	-1	-1	-1	-10	3	2	114.671	30.8	23.8	10.56	53.31
624	512642	5278075	96-SMH-624	N/A	N/A	N/A	N/A	N/A	-1	60.2	21.8	32.4	11.17	69.77
625	511186	5277975	96-SMH-625	-0.3	0.9	0.7	-3	10	-1	42.407	28.2	43.6	8.94	16.10
626	511144	5277048	96-SMH-626	-0.3	0.8	0.7	-3	10	-1	40.171	20.7	34.4	6.36	51.17
627	511574	5276751	96-SMH-627	-0.3	0.7	1.0	-3	10	-1	37.114	18.9	27.6	5.35	43.53
628	510893	5276538	96-SMH-628	-1	-1	-1	-10	3	2	55.837	37.4	52.0	11.31	39.52
632	505407	5273887	96-SMH-632	N/A	N/A	N/A	N/A	N/A	-1	7.127	10.6	5.8	1.42	86.06
636	494645	5277307	96-SMH-636	-0.6	-0.6	-0.6	18	5	3	38.55	18.7	23.5	4.18	56.79
637	494712	5276389	96-SMH-637	-1	2	1	-10	3	4	17.61	9.8	11.7	2.62	76.63

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method----------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
638	511264	5275694	96-SMH-638	-0.3	1.3	1.2	-3	10	-1	27.026	17.2	29.0	6.17	49.62
639	510872	5275278	96-SMH-639	-0.6	1.5	1.3	-6	5	-1	28.655	15.9	26.3	5.28	56.28
641	510806	5274465	96-SMH-641	-0.6	2.6	2.0	-6	5	5	46.822	22.3	32.8	6.06	57.74
643	513226	5277312	96-SMH-643	N/A	N/A	N/A	N/A	N/A	5	99.314	19.1	22.6	8.01	62.03
644	521141	5278112	96-SMH-644	N/A	N/A	N/A	N/A	N/A	2	78.187	41.5	56.9	12.74	38.37
645	520738	5277660	96-SMH-645	N/A	N/A	N/A	N/A	N/A	5	79.064	64.4	65.1	18.42	63.40
647	513456	5276176	96-SMH-647	-1	-1	-1	-10	3	1	52.911	12.6	8.5	9.90	74.57
648	513212	5274743	96-SMH-648	N/A	N/A	N/A	N/A	N/A	3	40.977	20.4	12.0	3.92	73.68
649	510885	5273827	96-SMH-649	-0.3	1.1	1.1	-3	10	3	51.309	20.8	31.2	7.02	45.29
651	510272	5273807	96-SMH-651	-0.3	1.0	1.0	-3	10	-1	23.27	24.4	39.0	10.30	38.33
653	499159	5276253	96-SMH-653	-0.3	1.8	0.5	3	10	7	40.115	21.7	22.0	1.90	60.63
654	497162	5275983	96-SMH-654	N/A	N/A	N/A	N/A	N/A	-1	15.234	27.6	10.7	1.68	76.90
655	497344	5276538	96-SMH-655	N/A	N/A	N/A	N/A	N/A	-1	10.001	21.7	14.2	1.93	69.03
656	495458	5275148	96-SMH-656	N/A	N/A	N/A	N/A	N/A	2	35.967	14.1	14.3	2.48	73.61
657	496420	5276367	96-SMH-657	N/A	N/A	N/A	N/A	N/A	-1	17.776	21.5	15.1	2.24	83.10
658	496903	5277220	96-SMH-658	-1	-1	-1	-10	3	4	31.325	41.6	9.7	1.52	58.39
659	497409	5277905	96-SMH-659	-0.6	13.6	3.1	14	5	14	293.735	74.3	57.0	4.42	34.14
661	494713	5273456	96-SMH-661	-1	-1	-1	-10	3	4	27.714	13.0	13.8	2.93	57.80
663	497866	5271638	96-SMH-663	-0.6	-0.6	-0.6	-6	5	4	23.554	21.0	20.5	4.55	61.20
664	498338	5270841	96-SMH-664	N/A	N/A	N/A	N/A	N/A	3	35.695	12.7	11.9	2.41	58.95
665	496635	5270725	96-SMH-665	-1	2	-1	-10	3	-1	178.484	21.1	25.8	7.31	69.53
666	496505	5270086	96-SMH-666	N/A	N/A	N/A	N/A	N/A	4	98.269	27.7	25.3	7.23	71.73
667	494848	5269343	96-SMH-667	-1	-1	-1	-10	3	-1	21.17	21.7	26.3	4.02	71.31
669	497187	5269081	96-SMH-669	-0.6	1.6	1.5	-6	5	5	93.434	17.6	31.7	6.54	62.44
671	497056	5269651	96-SMH-671	-1	1	-1	-10	3	-1	53.635	15.7	22.9	5.28	70.85
672	497745	5269325	96-SMH-672	N/A	N/A	N/A	N/A	N/A	9	94.857	34.3	36.4	5.56	61.50
673	498180	5269291	96-SMH-673	-0.3	-0.3	-0.3	4	10	4	16.387	13.2	18.2	4.49	57.93
674	497823	5268449	96-SMH-674	-0.3	-0.3	-0.3	-3	10	3	39.401	30.0	58.0	6.36	23.14
675	496854	5268089	96-SMH-675	-0.6	1.4	1.2	-6	5	3	119.142	21.1	39.4	12.18	62.09
676	497305	5267360	96-SMH-676	-0.3	0.6	0.6	-3	10	3	49.68	23.1	40.2	6.94	30.78
677	497634	5267632	96-SMH-677	-0.3	0.6	0.5	-3	10	8	44.469	22.3	30.6	5.66	16.77
678	497705	5266673	96-SMH-678	-0.3	1.0	-0.3	-3	10	2	43.58	15.9	20.4	3.53	69.52
679	497876	5266125	96-SMH-679	-0.6	0.7	-0.6	-6	5	5	35.276	16.1	20.3	2.62	52.23
681	495115	5260882	96-SMH-681	-0.6	0.7	-0.6	-6	5	-1	7.128	8.6	41.2	3.28	73.42
682	495109	5261687	96-SMH-682	-1	1	-1	-10	3	6	11.212	17.4	45.9	4.56	61.35
683	498358	5263612	96-SMH-683	N/A	N/A	N/A	N/A	N/A	4	39.436	20.3	35.5	6.46	69.32
684	498594	5264017	96-SMH-684	-1	7	2	-10	3	6	76.579	31.1	172.7	3.12	52.17
685	499282	5264490	96-SMH-685	N/A	N/A	N/A	N/A	N/A	-1	25.888	23.9	43.6	6.47	58.52
686	498885	5264944	96-SMH-686	-1	3	1	-10	3	-1	16.24	21.6	17.5	5.27	81.35
687	498571	5265449	96-SMH-687	N/A	N/A	N/A	N/A	N/A	-1	31.268	23.4	13.2	4.87	84.54
688	498734	5266333	96-SMH-688	N/A	N/A	N/A	N/A	N/A	-1	10.882	11.3	9.7	2.12	90.39
689	499418	5266567	96-SMH-689	N/A	N/A	N/A	N/A	N/A	-1	35.433	20.0	18.8	2.00	70.70
691	498904	5267228	96-SMH-691	N/A	N/A	N/A	N/A	N/A	6	25.096	16.1	19.5	2.27	65.49
692	498532	5267485	96-SMH-692	N/A	N/A	N/A	N/A	N/A	-1	30.153	12.9	19.5	0.75	77.83
693	498647	5268274	96-SMH-693	-1	1	2	-10	3	7	32.217	20.0	24.5	4.23	53.76
694	499513	5269294	96-SMH-694	-0.3	-0.3	0.9	-3	10	3	25.999	28.5	40.4	6.79	25.26
695	498637	5269976	96-SMH-695	-1	-1	-1	-10	3	3	35.303	21.4	26.4	5.05	57.49
696	498945	5275768	96-SMH-696	-1	4	1	-10	3	5	128.058	152.2	56.4	4.39	56.24
698	510746	5273378	96-SMH-698	-1	2	1	-10	3	4	51.175	13.1	14.4	1.85	76.71
699	523020	5278837	96-SMH-699	N/A	N/A	N/A	N/A	N/A	2	102.878	44.3	35.3	14.35	63.07
701	522499	5278220	96-SMH-701	-1	2	-1	-10	3	5	75.245	20.1	25.7	21.62	56.21

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method----------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units---------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
702	521956	5278193	96-SMH-702	-1	1	-1	-10	3	-1	62.827	21.8	14.9	5.17	48.96
703	520299	5277063	96-SMH-703	N/A	N/A	N/A	N/A	N/A	-1	35.982	19.7	10.3	4.68	75.84
704	519222	5275687	96-SMH-704	-1	2	1	-10	3	2	49.194	22.2	15.6	4.64	51.89
705	518695	5274354	96-SMH-705	-1	-1	-1	-10	3	2	55.637	17.5	11.0	3.44	55.04
706	518319	5274841	96-SMH-706	-0.6	-0.6	-0.6	-6	5	-1	32.659	18.3	14.7	2.56	67.51
707	513133	5273927	96-SMH-707	N/A	N/A	N/A	N/A	N/A	2	93.328	37.1	26.0	7.73	75.58
708	512999	5272996	96-SMH-708	-1	-1	-1	-10	3	-1	59.277	24.3	33.4	15.68	52.77
709	512724	5272195	96-SMH-709	-1	-1	-1	-10	3	-1	58.725	21.4	31.0	16.29	55.05
711	512265	5272030	96-SMH-711	-0.6	-0.6	-0.6	-6	5	-1	50.462	16.9	24.6	6.08	57.21
713	508762	5271281	96-SMH-713	-0.6	-0.6	-0.6	-6	5	2	35.559	25.1	32.9	4.03	61.99
714	510163	5270692	96-SMH-714	-0.6	-0.6	-0.6	-6	5	-1	25.407	19.6	21.4	5.01	38.10
715	512652	5270733	96-SMH-715	-1	-1	-1	-10	3	-1	68.53	21.9	17.6	3.56	68.42
716	513372	5270380	96-SMH-716	-0.6	-0.6	-0.6	-6	5	-1	49.752	22.7	30.8	11.24	52.78
717	513985	5269782	96-SMH-717	-0.6	-0.6	-0.6	-6	5	1	30.249	17.3	29.9	10.11	34.73
718	514326	5270545	96-SMH-718	-1	-1	-1	-10	3	3	116.966	26.8	15.7	10.48	71.21
719	513979	5271351	96-SMH-719	-1	-1	-1	-10	3	-1	76.849	10.9	7.3	2.39	70.65
721	513707	5271750	96-SMH-721	-1	-1	-1	-10	3	-1	82.189	20.5	24.2	38.89	62.81
722	513209	5271757	96-SMH-722	N/A	N/A	N/A	N/A	N/A	-1	46.587	21.7	29.5	8.62	63.19
723	514140	5272215	96-SMH-723	-1	-1	-1	-10	3	-1	104.729	16.3	19.0	13.88	61.25
724	513906	5272559	96-SMH-724	-1	-1	-1	-10	3	3	70.968	11.5	10.1	4.97	75.41
725	513699	5272722	96-SMH-725	-0.6	-0.6	-0.6	-6	5	-1	70.507	10.6	7.9	3.79	70.10
726	519536	5274441	96-SMH-726	-0.3	1.0	0.9	-3	10	3	52.84	16.2	29.3	2.45	36.19
727	521313	5277407	96-SMH-727	-1	-1	-1	-10	3	-1	62.26	13.8	19.8	6.24	68.53
729	517834	5271329	96-SMH-729	-0.3	-0.3	0.5	-3	10	3	16.841	22.2	32.7	6.94	16.90
734	518682	5267605	96-SMH-734	-0.3	0.4	0.6	-3	10	2	N/A	N/A	N/A	N/A	47.24
735	521166	5266030	96-SMH-735	-0.6	-0.6	-0.6	-6	5	2	20.884	15.6	19.3	3.39	43.98
736	523593	5265349	96-SMH-736	N/A	N/A	N/A	N/A	N/A	-1	53.729	22.5	55.9	5.63	55.55
737	523345	5264804	96-SMH-737	N/A	N/A	N/A	N/A	N/A	-1	30.745	18.8	27.3	4.08	73.84
738	525161	5265539	96-SMH-738	N/A	N/A	N/A	N/A	N/A	-1	34.933	15.0	76.1	2.25	63.04
739	526846	5266587	96-SMH-739	-0.3	3.1	1.4	-3	10	2	56.517	11.8	54.1	3.27	57.46
741	526752	5267782	96-SMH-741	-0.3	1.4	0.8	-3	10	3	38.339	14.0	46.8	2.76	7.63
743	536022	5264733	96-SMH-743	N/A	N/A	N/A	N/A	N/A	-1	5.471	5.4	6.4	5.62	N/A
744	535881	5264063	96-SMH-744	-0.6	0.9	1.0	-6	5	5	48.503	24.0	59.3	10.46	45.40
745	536166	5263164	96-SMH-745	-0.3	-0.3	1.0	-3	10	-1	23.718	18.3	18.4	1.83	33.10
746	535676	5261246	96-SMH-746	-0.3	-0.3	1.0	-3	10	3	19.131	14.4	24.9	2.28	17.16
747	534745	5259708	96-SMH-747	-0.6	0.6	-0.6	-6	5	3	23.492	23.7	43.7	6.03	35.62
748	534738	5258667	96-SMH-748	-0.6	-0.6	-0.6	-6	5	2	27.137	16.2	19.3	1.77	65.79
749	534581	5257836	96-SMH-749	-0.6	-0.6	-0.6	-6	5	2	21.233	22.4	23.4	2.14	46.93
751	532750	5256653	96-SMH-751	-0.3	1.1	1.0	97	10	3	23.407	30.6	59.5	20.05	35.74
752	533213	5256137	96-SMH-752	-1	2	1	-10	3	-1	35.608	14.9	41.6	53.58	60.75
753	532915	5255618	96-SMH-753	-0.6	0.8	-0.6	-6	5	2	55.322	23.1	54.0	76.67	47.83
754	532421	5257106	96-SMH-754	-0.6	1.0	-0.6	-6	5	-1	26.948	18.4	42.0	12.53	47.65
755	532317	5257970	96-SMH-755	-0.3	0.6	0.9	-3	10	-1	18.587	17.0	34.4	9.39	44.83
756	532226	5259148	96-SMH-756	-0.3	-0.3	-0.3	-3	10	-1	9.0955	12.9	22.3	0.63	38.24
757	532247	5259227	96-SMH-757	-0.3	-0.3	-0.3	-3	10	-1	11.8775	11.4	23.6	1.62	29.70
759	532875	5259657	96-SMH-759	-0.3	-0.3	0.7	-3	10	-1	N/A	N/A	N/A	N/A	40.33
761	536305	5259164	96-SMH-761	-0.6	-0.6	-0.6	-6	5	-1	12.469	13.3	14.6	2.08	47.61
763	537464	5259565	96-SMH-763	-1	2	-1	-10	3	-1	6.5405	6.6	5.0	0.63	70.99
764	537967	5259887	96-SMH-764	-0.3	-0.3	0.5	-3	10	-1	13.706	18.1	26.3	2.35	37.47
765	539753	5259073	96-SMH-765	-0.6	1.3	2.8	9	5	7	43.025	11.9	13.6	3.96	52.80
766	540495	5258178	96-SMH-766	N/A	N/A	N/A	N/A	N/A	-1	20.817	10.9	12.7	4.58	73.42

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method---------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units---------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
767	540003	5257559	96-SMH-767	N/A	N/A	N/A	N/A	N/A	-1	35.859	19.8	31.3	8.59	43.54
768	539577	5256679	96-SMH-768	-0.6	-0.6	0.9	-6	5	-1	33.617	13.4	25.2	6.55	52.63
769	539084	5256351	96-SMH-769	-0.6	0.7	0.8	-6	5	3	41.421	19.3	37.4	8.27	38.19
771	538856	5257890	96-SMH-771	N/A	N/A	N/A	N/A	N/A	-1	39.417	13.7	22.9	3.74	61.66
772	538285	5256981	96-SMH-772	-0.6	-0.6	-0.6	-6	5	8	25.6	7.2	7.4	2.29	53.32
773	536875	5255630	96-SMH-773	N/A	N/A	N/A	N/A	N/A	5	85.879	11.9	21.6	4.80	59.57
775	535471	5253894	96-SMH-775	-1	3	1	-10	3	4	53.314	15.7	19.9	8.18	64.67
776	537869	5251788	96-SMH-776	-0.6	-0.6	0.8	-6	5	7	32.269	14.8	25.0	4.62	42.29
777	539260	5251422	96-SMH-777	N/A	N/A	N/A	N/A	N/A	6	43.198	19.7	24.4	6.16	60.17
778	539396	5252338	96-SMH-778	-0.6	-0.6	-0.6	12	5	-1	21.676	11.2	16.0	2.42	44.14
779	540342	5253293	96-SMH-779	-0.6	0.9	1.0	7	5	6	72.987	22.8	51.0	16.04	55.10
781	543506	5251498	96-SMH-781	N/A	N/A	N/A	N/A	N/A	-1	11.779	16.3	28.6	3.79	63.09
782	542933	5249955	96-SMH-782	N/A	N/A	N/A	N/A	N/A	2	28.815	12.1	15.8	7.42	70.20
783	540657	5251211	96-SMH-783	-0.6	-0.6	-0.6	-6	5	-1	34.961	15.7	14.5	1.35	46.15
784	540151	5250441	96-SMH-784	N/A	N/A	N/A	N/A	N/A	2	72.338	22.6	39.6	7.72	51.03
785	538977	5250266	96-SMH-785	-1	-1	-1	-10	3	4	19.573	9.5	11.4	1.51	61.01
786	538029	5250357	96-SMH-786	-0.6	-0.6	-0.6	-6	5	2	20.868	16.8	29.1	3.38	32.63
787	536276	5248350	96-SMH-787	-0.6	-0.6	-0.6	-6	5	4	48.672	14.0	15.3	4.81	39.73
788	535680	5247835	96-SMH-788	-0.3	2.1	1.8	-3	10	1	72.391	28.0	65.8	36.73	31.83
789	536347	5246999	96-SMH-789	-1	-1	-1	-10	3	3	28.483	8.2	12.8	1.18	73.07
791	537708	5248132	96-SMH-791	-1	2	-1	-10	3	-1	35.091	16.2	27.2	7.14	46.47
792	538225	5248295	96-SMH-792	-1	1	-1	-10	3	5	24.933	31.0	35.4	16.25	46.19
793	539264	5248064	96-SMH-793	-0.6	0.7	0.8	-6	5	2	25.645	15.3	41.3	16.42	48.09
794	539123	5249100	96-SMH-794	-0.6	-0.6	-0.6	-6	5	-1	22.691	13.1	24.8	3.88	39.84
795	540449	5249562	96-SMH-795	N/A	N/A	N/A	N/A	N/A	-1	56.715	27.2	27.6	11.95	57.95
796	540754	5248531	96-SMH-796	N/A	N/A	N/A	N/A	N/A	3	33.987	14.9	20.9	7.70	45.48
797	541447	5248406	96-SMH-797	N/A	N/A	N/A	N/A	N/A	-1	26.421	13.9	18.0	4.93	60.63
798	541636	5247423	96-SMH-798	-0.6	-0.6	0.8	-6	5	2	22.365	13.8	14.4	2.87	42.96
799	543584	5248920	96-SMH-799	-0.6	-0.6	-0.6	-6	5	1	22.069	15.1	13.8	2.02	49.48
801	544955	5249260	96-SMH-801	-0.6	0.7	0.8	-6	5	-1	13.33	9.0	12.4	1.74	45.27
803	544680	5247887	96-SMH-803	-1	1	-1	-10	3	-1	17.563	20.0	16.5	8.86	39.70
804	544037	5245440	96-SMH-804	-0.6	1.3	1.1	-6	5	3	13.272	20.2	26.4	6.32	29.21
805	545111	5245136	96-SMH-805	N/A	N/A	N/A	N/A	N/A	-1	11.989	14.0	18.3	8.09	50.00
807	545065	5240834	96-SMH-807	0.3	0.3	0.4	-3	10	2	14.767	7.7	9.4	1.28	23.34
808	543837	5241263	96-SMH-808	-0.6	0.8	-0.6	-6	5	4	16.94	15.0	23.2	7.67	39.36
809	542139	5240915	96-SMH-809	-1	-1	-1	-10	3	-1	19.172	26.1	22.3	3.46	51.19
811	543659	5242090	96-SMH-811	-0.6	0.6	0.6	-6	5	3	26.967	12.6	13.8	2.06	49.53
812	543468	5243017	96-SMH-812	-0.6	1.2	0.9	-6	5	4	24.748	26.2	32.5	25.15	25.65
813	541729	5243270	96-SMH-813	-0.6	0.7	1.0	-6	5	-1	15.762	13.9	24.3	8.43	23.73
814	540238	5242786	96-SMH-814	-1	1	-1	-10	3	3	23.37	12.7	18.6	4.73	40.88
815	542811	5244696	96-SMH-815	N/A	N/A	N/A	N/A	N/A	1	16.143	12.6	15.2	9.51	70.27
816	541995	5245708	96-SMH-816	-1	-1	-1	-10	3	-1	22.636	13.3	14.3	2.02	72.15
817	541555	5246447	96-SMH-817	-1	-1	-1	-10	3	2	10.405	10.9	10.0	1.52	55.35
818	540740	5246098	96-SMH-818	N/A	N/A	N/A	N/A	N/A	2	14.82	12.2	10.4	4.87	64.76
819	540569	5245071	96-SMH-819	-0.6	1.1	1.3	-6	5	-1	41.229	21.4	39.3	6.50	23.48
821	539796	5245799	96-SMH-821	-0.3	0.8	2.1	-3	10	2	51.64	32.8	40.8	15.86	19.80
822	540104	5246834	96-SMH-822	-1	-1	-1	-10	3	-1	16.589	12.1	12.8	4.22	53.67
825	535739	5250440	96-SMH-825	-0.6	-0.6	-0.6	-6	5	3	69.142	11.6	11.8	2.87	52.40
826	534933	5251608	96-SMH-826	N/A	N/A	N/A	N/A	N/A	-1	28.337	14.7	16.7	1.97	82.05
827	534014	5254157	96-SMH-827	1.4	2.3	1.3	4	10	3	20.471	17.9	29.2	17.34	30.24
828	531700	5261150	96-SMH-828	-0.3	1.0	0.7	-3	10	-1	16.608	16.7	27.0	2.87	38.09

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method-------------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units-------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
829	496736	5282775	96-SMH-829	0.4	3.1	1.9	-3	10	2	38.211	38.4	72.3	12.71	39.30
831	497576	5282275	96-SMH-831	-0.3	3.8	2.0	3	10	-1	50.376	58.2	103.6	16.05	40.53
832	498414	5281830	96-SMH-832	-0.6	2.8	1.7	-6	5	3	72.321	68.5	81.1	12.45	33.27
833	497144	5281920	96-SMH-833	-0.3	1.3	1.1	-3	10	2	46.207	63.3	93.3	12.87	44.42
834	496584	5283563	96-SMH-834	-0.3	1.2	1.1	-3	10	-1	36.795	42.4	69.1	16.34	34.88
835	496234	5284854	96-SMH-835	-0.3	0.6	0.7	-3	10	2	13.168	21.8	37.1	8.35	7.53
836	495891	5286061	96-SMH-836	-0.3	0.6	0.6	-3	10	-1	28.901	44.4	80.3	15.03	18.65
837	494695	5287103	96-SMH-837	-0.3	-0.3	0.7	-3	10	-1	21.514	31.9	59.0	7.62	25.70
838	495442	5287131	96-SMH-838	-0.3	0.6	0.8	5	10	3	31.828	42.4	76.7	11.80	26.75
839	495194	5288444	96-SMH-839	-0.6	2.4	1.4	-6	5	3	60.067	24.8	61.4	5.42	48.00
841	495200	5286550	96-SMH-841	-0.3	0.8	1.0	-3	10	4	31.821	38.0	66.4	8.81	32.35
842	532786	5263898	96-SMH-842	N/A	N/A	N/A	N/A	N/A	2	13.783	9.3	18.2	1.44	67.80
843	533212	5263620	96-SMH-843	N/A	N/A	N/A	N/A	N/A	2	13.604	13.9	30.4	1.38	68.24
844	534012	5261804	96-SMH-844	-1	1	-1	-10	3	-1	14.944	8.6	18.4	7.60	62.34
845	538220	5262775	96-SMH-845	-0.3	-0.3	0.5	-3	10	-1	12.483	14.2	15.1	2.96	34.58
846	540332	5261407	96-SMH-846	-0.6	-0.6	-0.6	-6	5	2	30.951	14.3	15.8	1.50	N/A
847	541006	5260504	96-SMH-847	-0.6	0.7	0.7	-6	5	-1	26.841	15.5	14.5	1.80	43.88
848	541849	5260233	96-SMH-848	-0.6	0.8	0.8	-6	5	-1	27.464	19.5	21.2	4.03	47.42
849	544568	5260333	96-SMH-849	-1	-1	-1	-10	3	-1	25.898	15.5	10.6	3.39	54.37
852	545678	5260349	96-SMH-852	-0.6	1.0	1.5	-6	5	N/A	25.281	19.4	35.8	10.77	20.34
853	545285	5257865	96-SMH-853	-0.6	0.8	1.3	-6	5	-1	33.612	19.3	40.3	7.15	25.85
854	542161	5259130	96-SMH-854	-0.6	-0.6	0.7	-6	5	-1	20.682	18.8	14.5	2.81	52.92
855	536331	5255546	96-SMH-855	-0.6	-0.6	-0.6	-6	5	-1	32.157	14.2	12.0	1.76	43.38
856	536125	5255905	96-SMH-856	-0.6	0.6	-0.6	-6	5	-1	23.109	20.2	22.3	5.17	45.16
857	533339	5254054	96-SMH-857	-0.6	1.2	0.8	-6	5	3	38.765	18.0	21.9	5.26	42.17
858	532193	5254229	96-SMH-858	0.6	0.5	1.5	3	10	-1	52.26	25.5	41.5	58.06	31.70
859	531614	5253197	96-SMH-859	-0.3	-0.3	1.0	3	10	4	36.72	18.7	32.1	15.30	33.13
861	532495	5253543	96-SMH-861	-0.6	-0.6	0.7	-6	5	-1	98.159	18.0	32.8	9.34	56.01
862	532195	5253097	96-SMH-862	-0.6	-0.6	-0.6	-6	5	3	82.35	16.1	24.0	10.03	45.21
863	531225	5252629	96-SMH-863	-0.3	-0.3	0.7	-3	10	2	25.21	9.4	19.2	4.87	40.51
864	530669	5252207	96-SMH-864	-0.6	4.5	25.2	-6	5	2	18.316	14.1	14.6	4.09	37.53
865	530144	5251805	96-SMH-865	-0.3	0.3	1.5	-3	10	3	91.241	31.5	43.8	182.61	35.39
866	529931	5251068	96-SMH-866	-0.3	-0.3	0.7	-3	10	2	27.819	15.5	23.3	7.12	36.17
867	528968	5251342	96-SMH-867	-0.6	2.3	1.9	7	5	5	93.265	21.5	56.1	12.60	42.33
868	528692	5250954	96-SMH-868	-0.3	-0.3	0.4	-3	10	2	12.249	10.5	11.9	1.25	40.34
871	527867	5249591	96-SMH-871	-0.3	1.4	1.8	-3	10	5	98.539	24.9	31.4	9.20	17.74
872	527478	5249277	96-SMH-872	N/A	N/A	N/A	N/A	N/A	-1	40.796	23.3	38.3	6.91	30.73
873	527283	5250467	96-SMH-873	N/A	N/A	N/A	N/A	N/A	-1	41.387	10.4	17.2	2.28	34.13
874	527089	5251174	96-SMH-874	-0.6	-0.6	-0.6	-6	5	-1	6.964	4.5	4.2	0.92	26.29
875	526155	5251868	96-SMH-875	N/A	N/A	N/A	N/A	N/A	2	13.77	9.3	10.3	2.30	26.00
876	525471	5251882	96-SMH-876	N/A	N/A	N/A	N/A	N/A	1	45.938	10.9	26.6	3.27	40.20
877	526040	5253021	96-SMH-877	-0.6	-0.6	-0.6	-6	5	3	30.048	13.6	20.1	5.50	43.10
878	525713	5253669	96-SMH-878	N/A	N/A	N/A	N/A	N/A	3	25.785	12.5	28.3	4.46	21.85
879	524810	5254631	96-SMH-879	-0.6	0.9	-0.6	-6	5	3	67.353	13.3	16.0	2.23	45.76
881	524415	5253378	96-SMH-881	N/A	N/A	N/A	N/A	N/A	7	65.071	25.0	50.0	15.32	24.83
882	524726	5252505	96-SMH-882	N/A	N/A	N/A	N/A	N/A	-1	16.214	11.6	20.1	2.29	27.62
883	521890	5249841	96-SMH-883	N/A	N/A	N/A	N/A	N/A	-1	74.807	22.9	50.6	12.06	32.33
884	519734	5250190	96-SMH-884	N/A	N/A	N/A	N/A	N/A	-1	10.249	10.6	15.5	2.06	24.06
885	520007	5248855	96-SMH-885	N/A	N/A	N/A	N/A	N/A	2	33.83	14.8	39.1	4.84	38.38
886	520737	5247788	96-SMH-886	N/A	N/A	N/A	N/A	N/A	-1	27.006	12.7	19.8	1.99	50.91
887	520824	5255659	96-SMH-887	-1	-1	-1	-10	3	3	9.419	14.5	12.2	4.64	35.05

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method------------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units--------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
888	521977	5258555	96-SMH-888	-1	-1	-1	-10	3	-1	54.795	17.3	28.3	10.83	58.32
891	527369	5264864	96-SMH-891	-0.6	4.3	0.8	-6	5	-1	40.912	11.1	32.6	2.14	41.16
892	526746	5259513	96-SMH-892	N/A	N/A	N/A	N/A	N/A	-1	60.887	15.4	19.3	6.12	68.89
893	524978	5256990	96-SMH-893	N/A	N/A	N/A	N/A	N/A	-1	19.473	12.9	27.1	3.08	36.01
894	521184	5253815	96-SMH-894	-0.6	4.7	14.1	-6	5	2	19.008	17.7	20.1	2.49	38.99
895	519090	5245889	96-SMH-895	-1	-1	-1	-10	3	3	37.981	36.3	37.5	9.48	50.80
896	517840	5245543	96-SMH-896	-0.6	0.6	-0.6	-6	5	-1	33.905	18.3	26.1	5.58	66.84
897	517499	5245097	96-SMH-897	-0.6	0.6	0.8	-6	5	2	42.481	15.4	35.0	7.35	42.63
898	516119	5245041	96-SMH-898	N/A	N/A	N/A	N/A	N/A	1	38.935	15.3	35.7	9.28	52.91
899	514678	5245587	96-SMH-899	-0.6	-0.6	-0.6	-6	5	-1	28.817	21.9	29.7	4.00	45.16
901	515499	5243517	96-SMH-901	-0.6	0.8	0.8	-6	5	6	34.547	22.8	37.9	6.51	38.86
902	516507	5243963	96-SMH-902	N/A	N/A	N/A	N/A	N/A	-1	18.338	21.8	25.5	2.24	44.34
903	517725	5243738	96-SMH-903	N/A	N/A	N/A	N/A	N/A	2	21.293	23.0	40.4	14.58	26.05
904	517449	5242868	96-SMH-904	-0.6	-0.6	-0.6	-6	5	-1	18.882	21.2	23.6	5.82	34.26
905	517176	5242433	96-SMH-905	-0.6	-0.6	-0.6	-6	5	3	14.912	13.0	11.1	3.19	38.26
906	518105	5242937	96-SMH-906	-1	-1	-1	-10	3	1	22.57	12.5	15.4	3.18	50.83
907	519687	5243835	96-SMH-907	N/A	N/A	N/A	N/A	N/A	-1	11.758	14.7	21.7	4.62	22.32
908	518827	5242701	96-SMH-908	N/A	N/A	N/A	N/A	N/A	-1	27.43	19.5	39.4	18.71	33.56
909	520359	5241291	96-SMH-909	-0.6	-0.6	-0.6	-6	5	2	32.188	17.2	40.4	5.87	52.41
911	517650	5241006	96-SMH-911	N/A	N/A	N/A	N/A	N/A	-1	15.018	14.3	14.8	2.83	31.20
912	516271	5240681	96-SMH-912	-0.6	-0.6	-0.6	-6	5	2	23.293	22.8	20.0	3.50	43.73
913	514693	5240629	96-SMH-913	-1	-1	-1	-10	3	-1	34.494	14.4	19.0	3.24	61.19
914	514029	5240894	96-SMH-914	-0.6	0.8	-0.6	-6	5	4	53.141	28.5	47.8	11.73	43.22
915	513606	5240678	96-SMH-915	-0.6	-0.6	-0.6	-6	5	-1	20.321	18.0	25.7	3.84	54.33
916	514134	5242661	96-SMH-916	N/A	N/A	N/A	N/A	N/A	-1	33.37	14.2	32.3	8.80	49.52
917	513040	5242553	96-SMH-917	-0.6	-0.6	-0.6	-6	5	2	20.625	14.6	26.1	6.07	43.01
918	513345	5244228	96-SMH-918	N/A	N/A	N/A	N/A	N/A	-1	41.264	29.2	45.6	11.87	32.61
919	513986	5244548	96-SMH-919	N/A	N/A	N/A	N/A	N/A	-1	37.802	28.7	53.7	17.85	29.37
921	513943	5245078	96-SMH-921	N/A	N/A	N/A	N/A	N/A	3	25.456	19.6	29.9	4.71	31.62
922	512970	5245108	96-SMH-922	-0.6	5.2	8.8	-6	5	1	38.107	12.3	17.7	2.07	63.75
923	513651	5249495	96-SMH-923	N/A	N/A	N/A	N/A	N/A	-1	41.728	19.6	42.0	3.50	43.74
924	513078	5248430	96-SMH-924	N/A	N/A	N/A	N/A	N/A	-1	12.961	12.8	20.5	3.73	21.59
925	511000	5242630	96-SMH-925	N/A	N/A	N/A	N/A	N/A	-1	13.99	10.5	18.3	1.90	32.51
927	515443	5246739	96-SMH-927	-0.6	4.0	5.5	-6	5	2	16.927	18.1	20.6	2.71	34.88
928	517046	5246368	96-SMH-928	N/A	N/A	N/A	N/A	N/A	-1	19.722	19.9	34.3	8.68	24.33
929	518298	5246688	96-SMH-929	N/A	N/A	N/A	N/A	N/A	-1	37.088	25.9	43.8	29.81	31.91
931	518869	5248255	96-SMH-931	-0.6	1.1	0.9	-6	5	3	36.996	25.3	44.8	22.47	28.27
932	518269	5248369	96-SMH-932	-1	3	1	-10	3	-1	28.448	25.4	23.6	6.18	53.23
933	518779	5249543	96-SMH-933	N/A	N/A	N/A	N/A	N/A	2	17.764	14.2	24.4	9.30	22.66
934	518210	5250195	96-SMH-934	N/A	N/A	N/A	N/A	N/A	2	35.603	17.9	37.7	10.74	32.97
936	524800	5258626	96-SMH-936	N/A	N/A	N/A	N/A	N/A	1	19.48	22.4	24.1	1.66	42.12
937	524426	5258856	96-SMH-937	-0.6	2.3	-0.6	-6	5	-1	14.547	13.4	24.5	0.89	25.01
938	530403	5259204	96-SMH-938	N/A	N/A	N/A	N/A	N/A	-1	51.755	29.1	41.9	4.81	62.20
939	536646	5260324	96-SMH-939	-0.6	-0.6	-0.6	-6	5	2	13.4	12.2	12.1	1.22	44.24
941	540766	5262212	96-SMH-941	-1	5	-1	-10	3	-1	34.356	23.0	35.7	6.48	53.16
942	541338	5262599	96-SMH-942	N/A	N/A	N/A	N/A	N/A	2	18.202	24.0	21.2	5.49	62.86
943	541784	5261277	96-SMH-943	-0.6	0.8	-0.6	-6	5	-1	16.19	10.5	12.3	1.45	51.00
944	543771	5263045	96-SMH-944	N/A	N/A	N/A	N/A	N/A	-1	10.537	11.1	13.8	1.46	25.94
945	544319	5263727	96-SMH-945	-0.6	-0.6	-0.6	-6	5	-1	15.396	18.1	25.1	5.31	46.02
946	544036	5264312	96-SMH-946	-1	1	-1	-10	3	-1	15.76	19.4	14.4	1.82	53.08
947	543663	5264967	96-SMH-947	N/A	N/A	N/A	N/A	N/A	-1	11.524	13.3	22.5	1.81	33.77

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method----------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
948	542485	5264675	96-SMH-948	-1	1	-1	-10	3	-1	38.703	22.3	22.4	4.93	56.21
949	542006	5263582	96-SMH-949	N/A	N/A	N/A	N/A	N/A	-1	14.691	10.4	19.6	4.44	32.66
951	540758	5263348	96-SMH-951	-0.6	0.9	-0.6	-6	5	-1	14.67	15.4	26.9	4.00	35.98
952	541096	5264373	96-SMH-952	N/A	N/A	N/A	N/A	N/A	1	17.256	9.7	19.1	2.33	35.24
953	541082	5265519	96-SMH-953	N/A	N/A	N/A	N/A	N/A	-1	10.764	10.8	15.2	1.85	32.38
954	541559	5265287	96-SMH-954	N/A	N/A	N/A	N/A	N/A	2	10.81	12.1	15.3	1.07	30.49
955	543258	5265811	96-SMH-955	-0.6	1.1	1.0	-6	5	-1	34.572	17.1	38.2	3.88	46.16
956	543528	5266446	96-SMH-956	N/A	N/A	N/A	N/A	N/A	3	21.085	20.0	26.6	3.60	40.51
957	542767	5267049	96-SMH-957	N/A	N/A	N/A	N/A	N/A	1	13.458	11.9	15.9	1.42	36.06
958	542274	5266779	96-SMH-958	-0.6	0.6	-0.6	-6	5	-1	14.693	14.0	17.9	1.74	52.39
959	543538	5268000	96-SMH-959	-0.6	-0.6	-0.6	-6	5	2	22	23.9	36.2	5.74	47.77
961	542825	5268809	96-SMH-961	N/A	N/A	N/A	N/A	N/A	-1	15.824	12.9	21.8	3.47	33.67
962	541028	5267970	96-SMH-962	-0.6	-0.6	-0.6	-6	5	-1	16.148	8.3	19.8	1.19	56.21
963	540797	5266787	96-SMH-963	N/A	N/A	N/A	N/A	N/A	-1	11.738	13.3	15.1	1.66	31.72
964	538941	5266539	96-SMH-964	N/A	N/A	N/A	N/A	N/A	-1	11.893	8.2	11.6	1.23	32.12
965	538334	5268310	96-SMH-965	-0.6	-0.6	-0.6	-6	5	-1	56.111	12.9	21.3	2.28	64.10
967	537729	5266417	96-SMH-967	N/A	N/A	N/A	N/A	N/A	-1	15.331	14.4	17.2	1.85	30.29
968	536710	5265364	96-SMH-968	N/A	N/A	N/A	N/A	N/A	1	9.986	12.8	13.9	1.28	40.84
969	536688	5264389	96-SMH-969	-0.6	-0.6	-0.6	-6	5	-1	11.855	16.0	17.4	3.00	43.32
971	536892	5261555	96-SMH-971	N/A	N/A	N/A	N/A	N/A	3	8.623	7.0	14.7	1.12	27.72
972	533924	5264117	96-SMH-972	-0.6	1.2	-0.6	-6	5	-1	22.695	18.8	21.0	8.77	54.28
973	532826	5266038	96-SMH-973	-0.6	-0.6	-0.6	-6	5	-1	10.689	16.2	27.8	1.20	67.13
974	532489	5266257	96-SMH-974	-1	3	-1	-10	3	-1	15.44	12.4	30.7	2.29	53.02
975	531031	5265447	96-SMH-975	-1	3	1	-10	3	-1	23.767	11.9	19.1	3.21	66.88
976	529450	5267275	96-SMH-976	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	74.84
977	528856	5267911	96-SMH-977	N/A	N/A	N/A	N/A	N/A	-1	23.671	9.7	30.6	1.73	67.43
978	528287	5268383	96-SMH-978	-0.6	1.7	-0.6	-6	5	-1	20.11	33.1	60.1	3.54	46.66
979	525978	5278988	96-SMH-979	-1	2	-1	-10	3	-1	191.833	28.3	16.5	27.83	63.26
981	526184	5265376	96-SMH-981	-1	3	-1	-10	3	2	35.43	10.3	20.5	2.39	53.45
982	524854	5264588	96-SMH-982	N/A	N/A	N/A	N/A	N/A	-1	31.696	20.9	51.9	4.70	40.56
983	525253	5263092	96-SMH-983	-0.6	2.0	0.7	-6	5	-1	32.751	18.4	33.2	5.98	57.25
984	523662	5260628	96-SMH-984	-0.6	0.9	-0.6	-6	5	2	46.609	16.2	25.9	9.60	50.50
985	523332	5260368	96-SMH-985	-1	3	1	-10	3	-1	116.817	22.1	37.2	14.57	60.81
986	523456	5260004	96-SMH-986	-0.6	0.8	-0.6	-6	5	-1	53.018	17.4	31.5	24.56	51.01
987	523299	5259519	96-SMH-987	-0.6	-0.6	-0.6	-6	5	-1	40.625	14.2	20.6	7.65	43.04
988	522503	5259731	96-SMH-988	-0.6	-0.6	-0.6	-6	5	-1	70.543	12.9	13.8	4.72	59.84
989	524066	5259507	96-SMH-989	N/A	N/A	N/A	N/A	N/A	-1	28.519	12.2	17.7	2.88	76.88
991	523903	5259106	96-SMH-991	N/A	N/A	N/A	N/A	N/A	-1	57.928	33.7	61.5	6.06	39.04
992	523700	5258732	96-SMH-992	N/A	N/A	N/A	N/A	N/A	-1	70.397	25.8	44.4	7.36	40.45
994	523525	5257587	96-SMH-994	N/A	N/A	N/A	N/A	N/A	-1	57.492	20.5	29.5	4.76	62.65
995	523744	5257457	96-SMH-995	-0.6	1.5	0.8	-6	5	1	143.823	64.5	78.2	27.00	40.28
996	523454	5257072	96-SMH-996	-0.6	2.2	1.5	-6	5	3	86.566	32.3	57.5	14.46	34.89
997	523282	5256619	96-SMH-997	-1	2	1	-10	3	-1	55.696	26.4	47.0	10.07	29.37
998	523377	5255878	96-SMH-998	-0.6	4.2	1.5	-6	5	5	96.203	36.8	57.7	14.59	36.62
999	525085	5255541	96-SMH-999	N/A	N/A	N/A	N/A	N/A	-1	13.474	16.9	30.8	3.38	27.49
1001	528400	5285000	96-SMH-1001	N/A	N/A	N/A	N/A	N/A	3	123.911	22.2	75.5	9.14	38.94
1002	528900	5284800	96-SMH-1002	N/A	N/A	N/A	N/A	N/A	3	65.45	17.4	40.9	10.93	31.62
1003	528800	5282750	96-SMH-1003	N/A	N/A	N/A	N/A	N/A	2	77.438	24.3	59.6	17.90	31.24
1004	529250	5281250	96-SMH-1004	N/A	N/A	N/A	N/A	N/A	3	86.386	19.6	52.6	26.03	35.91
1005	530200	5279150	96-SMH-1005	N/A	N/A	N/A	N/A	N/A	2	76.496	22.1	58.9	23.16	36.47
1006	531200	5278850	96-SMH-1006	N/A	N/A	N/A	N/A	N/A	-1	100.058	26.7	55.9	30.23	35.41

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method————>	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units————>	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
1007	509450	5277450	96-SMH-1007	N/A	N/A	N/A	N/A	N/A	4	76.175	40.5	51.0	10.54	38.00
1008	509250	5281650	96-SMH-1008	N/A	N/A	N/A	N/A	N/A	-1	40.354	33.6	39.4	8.98	36.44
1009	509600	5280450	96-SMH-1009	N/A	N/A	N/A	N/A	N/A	-1	29.067	33.6	47.5	8.61	25.99
1011	509200	5279400	96-SMH-1011	N/A	N/A	N/A	N/A	N/A	2	33.412	22.1	25.3	4.37	30.40
1013	509700	5278400	96-SMH-1013	N/A	N/A	N/A	N/A	N/A	-1	28.633	30.9	43.7	8.11	26.89
1014	524950	5278900	96-SMH-1014	N/A	N/A	N/A	N/A	N/A	-1	45.774	17.5	37.1	8.68	44.90
1015	515750	5280300	96-SMH-1015	N/A	N/A	N/A	N/A	N/A	-1	34.722	23.2	37.0	6.77	22.97
1016	515450	5281950	96-SMH-1016	N/A	N/A	N/A	N/A	N/A	-1	63.138	34.8	49.7	15.64	18.98
1017	515450	5283050	96-SMH-1017	N/A	N/A	N/A	N/A	N/A	-1	21.653	20.1	32.2	7.21	7.95
1021	514650	5287300	96-SMH-1021	N/A	N/A	N/A	N/A	N/A	1	23.966	13.5	13.9	3.94	42.50
1023	515900	5284450	96-SMH-1023	-0.6	1.4	-0.6	-6	5	-1	40.663	15.7	28.3	4.86	48.87
1024	518050	5286050	96-SMH-1024	-0.6	0.8	-0.6	-6	5	-1	25.194	22.2	37.2	6.84	27.34
1025	521200	5287400	96-SMH-1025	N/A	N/A	N/A	N/A	N/A	3	50.28	28.2	36.9	14.39	30.57
1026	520450	5289150	96-SMH-1026	N/A	N/A	N/A	N/A	N/A	6	42.592	28.9	45.1	13.48	30.68
1027	520300	5288250	96-SMH-1027	N/A	N/A	N/A	N/A	N/A	-1	27.439	16.8	28.8	6.93	34.91
1028	519500	5286750	96-SMH-1028	N/A	N/A	N/A	N/A	N/A	-1	25.246	19.5	34.9	6.47	32.06
1029	526088	5256351	96-SMH-1029	N/A	N/A	N/A	N/A	N/A	-1	16.07	11.6	20.1	1.85	39.71
1031	526503	5255169	96-SMH-1031	-0.6	0.8	0.6	-6	5	3	25.154	12.1	28.4	15.76	37.91
1032	525894	5254867	96-SMH-1032	-0.6	0.7	-0.6	-6	5	-1	23.188	13.5	24.7	2.06	47.69
1033	526719	5253152	96-SMH-1033	-1	1	-1	-10	3	-1	22.858	13.5	33.8	2.69	57.71
1034	527823	5252506	96-SMH-1034	N/A	N/A	N/A	N/A	N/A	2	29.115	14.3	33.6	3.90	38.12
1035	529028	5252960	96-SMH-1035	-0.6	1.3	-0.6	-6	5	5	62.301	22.0	34.0	7.45	42.13
1036	529289	5252209	96-SMH-1036	N/A	N/A	N/A	N/A	N/A	1	36.578	12.3	25.6	6.10	37.69
1037	529811	5253158	96-SMH-1037	N/A	N/A	N/A	N/A	N/A	-1	17.279	10.7	22.5	2.97	41.07
1038	527459	5253920	96-SMH-1038	N/A	N/A	N/A	N/A	N/A	1	18.563	9.7	15.0	1.60	46.03
1039	528385	5254507	96-SMH-1039	N/A	N/A	N/A	N/A	N/A	2	15.449	12.9	16.7	3.62	34.24
1041	527537	5254675	96-SMH-1041	N/A	N/A	N/A	N/A	N/A	-1	21.157	13.5	16.3	3.59	29.09
1042	528068	5255269	96-SMH-1042	N/A	N/A	N/A	N/A	N/A	2	18.58	13.0	12.7	3.01	43.61
1043	528386	5255577	96-SMH-1043	-0.6	0.8	-0.6	-6	5	-1	20.045	13.3	11.8	3.10	49.64
1044	526381	5256054	96-SMH-1044	N/A	N/A	N/A	N/A	N/A	2	14.279	15.6	20.6	1.96	33.92
1045	523918	5255611	96-SMH-1045	N/A	N/A	N/A	N/A	N/A	-1	13.437	11.8	24.4	2.63	26.69
1046	522373	5257389	96-SMH-1046	-0.6	0.6	-0.6	-6	5	1	28.771	12.2	21.0	7.37	45.64
1047	522518	5257939	96-SMH-1047	N/A	N/A	N/A	N/A	N/A	1	27.527	14.7	26.8	6.72	37.02
1048	522872	5258204	96-SMH-1048	-1	-1	-1	-10	3	4	51.667	13.0	14.0	4.61	66.23
1049	523406	5258131	96-SMH-1049	N/A	N/A	N/A	N/A	N/A	-1	54.159	24.6	39.2	5.56	36.60
1052	524052	5260043	96-SMH-1052	N/A	N/A	N/A	N/A	N/A	4	154.348	25.9	28.7	4.74	81.46
1054	525124	5263913	96-SMH-1054	N/A	N/A	N/A	N/A	N/A	-1	25.174	12.1	43.8	3.58	41.39
1055	525092	5264308	96-SMH-1055	-1	2	-1	-10	3	-1	21.484	14.6	27.8	3.83	55.17
1056	525350	5265728	96-SMH-1056	N/A	N/A	N/A	N/A	N/A	1	14.748	7.6	14.0	2.91	75.08
1057	524400	5266040	96-SMH-1057	N/A	N/A	N/A	N/A	N/A	-1	92.633	17.9	48.9	3.12	37.17
1058	523259	5267617	96-SMH-1058	-0.6	1.8	1.9	-6	5	-1	35.792	16.5	39.7	4.19	31.86
1059	523099	5268815	96-SMH-1059	N/A	N/A	N/A	N/A	N/A	-1	90.183	43.6	17.7	4.39	49.82
1061	528556	5267941	96-SMH-1061	N/A	N/A	N/A	N/A	N/A	-1	12.053	6.0	15.2	1.38	75.63
1062	528283	5267684	96-SMH-1062	-0.6	5.2	1.5	-6	5	2	43.097	16.4	25.8	3.31	59.10
1063	528411	5267082	96-SMH-1063	N/A	N/A	N/A	N/A	N/A	-1	13.719	8.8	22.7	1.59	74.35
1064	529524	5265999	96-SMH-1064	-1	1	-1	-10	3	-1	20.089	12.2	21.3	2.28	62.44
1065	529242	5266079	96-SMH-1065	-1	1	-1	-10	3	-1	25.327	18.0	34.9	4.46	53.60
1066	528795	5263944	96-SMH-1066	N/A	N/A	N/A	N/A	N/A	2	16.098	12.4	23.2	2.57	69.93
1067	529351	5263309	96-SMH-1067	N/A	N/A	N/A	N/A	N/A	-1	34.259	16.6	37.9	2.05	77.74
1068	529668	5262600	96-SMH-1068	N/A	N/A	N/A	N/A	N/A	-1	49.724	20.0	33.9	3.28	75.60
1069	530011	5262334	96-SMH-1069	N/A	N/A	N/A	N/A	N/A	2	24.791	33.0	69.6	6.12	62.81

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method———>	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units———>	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
1071	530759	5262158	96-SMH-1071	-1	2	-1	-10	3	2	40.744	17.3	40.4	10.01	51.44
1072	531071	5262062	96-SMH-1072	-0.6	2.5	1.0	-6	5	-1	47.933	17.5	56.8	10.04	43.66
1073	531751	5261765	96-SMH-1073	N/A	N/A	N/A	N/A	N/A	-1	33.315	19.1	34.1	6.15	25.66
1074	532259	5261936	96-SMH-1074	N/A	N/A	N/A	N/A	N/A	4	22.328	15.7	29.9	5.24	12.68
1075	531147	5259097	96-SMH-1075	N/A	N/A	N/A	N/A	N/A	-1	56.807	22.9	48.5	8.23	56.27
1076	530891	5255759	96-SMH-1076	N/A	N/A	N/A	N/A	N/A	4	97.023	8.6	15.8	2.81	34.14
1077	529512	5256352	96-SMH-1077	-0.6	-0.6	-0.6	-6	5	2	12.681	10.3	12.2	1.32	37.98
1078	528766	5255629	96-SMH-1078	-0.6	0.9	-0.6	-6	5	-1	30.194	15.1	17.9	5.01	62.90
1079	528428	5256471	96-SMH-1079	N/A	N/A	N/A	N/A	N/A	-1	20.484	9.8	17.7	6.25	36.46
1081	527487	5256271	96-SMH-1081	N/A	N/A	N/A	N/A	N/A	3	111.034	21.8	22.2	6.66	39.96
1082	529438	5258132	96-SMH-1082	-0.6	-0.6	-0.6	-6	5	-1	12.945	13.6	13.2	1.65	36.92
1083	528220	5258847	96-SMH-1083	-0.6	-0.6	-0.6	-6	5	-1	14.251	9.8	6.8	2.35	43.04
1084	527742	5258483	96-SMH-1084	-0.6	-0.6	-0.6	-6	5	-1	14.386	5.9	6.1	1.43	35.98
1085	525417	5258791	96-SMH-1085	-0.6	-0.6	-0.6	-6	5	-1	11.721	9.1	8.3	1.08	51.68
1086	525976	5260613	96-SMH-1086	N/A	N/A	N/A	N/A	N/A	3	30.931	19.3	35.6	2.32	32.68
1087	526853	5265533	96-SMH-1087	N/A	N/A	N/A	N/A	N/A	-1	36.173	11.5	20.9	1.36	61.85
1088	516164	5261185	96-SMH-1088	N/A	N/A	N/A	N/A	N/A	-1	19.585	15.0	20.6	7.19	34.16
1089	513421	5260382	96-SMH-1089	-0.6	0.7	-0.6	-6	4.97	-1	33.622	16.4	17.4	7.38	48.34
1091	512107	5260057	96-SMH-1091	N/A	N/A	N/A	N/A	N/A	-1	18.094	13.0	21.6	2.27	28.42
1092	511105	5256084	96-SMH-1092	N/A	N/A	N/A	N/A	N/A	-1	13.596	14.1	33.4	8.17	47.51
1093	508779	5247068	96-SMH-1093	-0.6	0.9	-0.6	-6	5	-1	70.847	21.5	32.0	6.84	41.94
1094	508218	5244788	96-SMH-1094	N/A	N/A	N/A	N/A	N/A	-1	46.596	14.1	13.8	2.89	72.98
1095	507235	5245036	96-SMH-1095	N/A	N/A	N/A	N/A	N/A	1	26.439	23.0	40.3	7.96	32.23
1096	506535	5245413	96-SMH-1096	N/A	N/A	N/A	N/A	N/A	-1	32.456	27.3	46.5	11.18	29.46
1097	506525	5244673	96-SMH-1097	-0.6	0.7	-0.6	-6	5	-1	32.699	20.5	31.9	4.83	59.99
1098	504992	5244134	96-SMH-1098	-0.6	0.8	-0.6	-6	5	-1	43.431	9.8	8.9	1.45	60.29
1099	504054	5244569	96-SMH-1099	N/A	N/A	N/A	N/A	N/A	2	26.181	18.3	32.3	6.24	41.46
1101	504074	5245140	96-SMH-1101	-1	2	-1	-10	3	4	79.381	28.6	42.8	7.92	70.59
1102	504915	5242365	96-SMH-1102	-0.6	-0.6	-0.6	-6	5	-1	39.508	15.0	19.1	3.27	54.81
1103	505458	5241782	96-SMH-1103	N/A	N/A	N/A	N/A	N/A	-1	36.906	16.1	24.1	4.34	49.59
1104	504319	5240670	96-SMH-1104	-0.6	-0.6	-0.6	-6	5	-1	50.953	15.2	20.2	4.88	51.72
1105	497854	5241619	96-SMH-1105	-0.6	0.8	-0.6	-6	5	1	40.146	16.2	17.7	3.69	47.94
1106	497576	5242391	96-SMH-1106	-0.6	0.8	-0.6	-6	5	2	41.148	16.0	28.2	5.16	48.05
1107	496789	5241291	96-SMH-1107	-0.6	0.7	-0.6	-6	5	-1	14.671	15.5	26.3	4.35	48.84
1109	493273	5243505	96-SMH-1109	N/A	N/A	N/A	N/A	N/A	3	31.261	9.3	11.9	3.25	11.28
1111	492918	5243548	96-SMH-1111	N/A	N/A	N/A	N/A	N/A	-1	110.675	20.9	33.7	5.15	38.74
1112	493051	5242228	96-SMH-1112	N/A	N/A	N/A	N/A	N/A	3	103.976	20.1	34.3	5.73	38.19
1113	493503	5241899	96-SMH-1113	-0.6	-0.6	-0.6	-6	5	-1	58.401	15.3	16.7	6.89	63.59
1114	493358	5241497	96-SMH-1114	N/A	N/A	N/A	N/A	N/A	-1	53.558	15.9	30.6	5.30	43.91
1115	492347	5242742	96-SMH-1115	N/A	N/A	N/A	N/A	N/A	2	136.048	19.7	36.0	5.67	35.75
1116	491958	5243374	96-SMH-1116	-0.6	-0.6	-0.6	-6	5	-1	121.042	17.9	26.0	6.62	42.19
1117	492166	5244426	96-SMH-1117	-0.6	1.8	-0.6	-6	5	4	347	19.2	27.2	5.74	47.98
1118	490981	5243397	96-SMH-1118	N/A	N/A	N/A	N/A	N/A	4	135.768	18.5	33.3	7.88	33.04
1119	490358	5243645	96-SMH-1119	N/A	N/A	N/A	N/A	N/A	5	44.074	22.3	68.3	9.30	41.27
1121	490171	5242199	96-SMH-1121	N/A	N/A	N/A	N/A	N/A	-1	42.132	22.1	80.6	5.79	41.81
1122	490080	5246231	96-SMH-1122	N/A	N/A	N/A	N/A	N/A	3	18.345	14.5	37.0	4.58	21.09
1123	490140	5248266	96-SMH-1123	-0.6	2.3	0.7	-6	5	3	28.089	15.8	51.1	5.70	53.84
1124	489884	5248685	96-SMH-1124	-0.6	1.8	-0.6	-6	5	-1	N/A	N/A	N/A	N/A	45.43
1125	492087	5245913	96-SMH-1125	N/A	N/A	N/A	N/A	N/A	-1	238.674	24.9	41.8	6.82	38.38
1126	492446	5246343	96-SMH-1126	-1	1	-1	-10	3	-1	42.391	29.5	43.2	5.40	65.09
1128	496258	5247596	96-SMH-1128	N/A	N/A	N/A	N/A	N/A	-1	19.347	21.6	37.7	4.74	29.17

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method——>	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units——>	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
1129	496372	5249191	96-SMH-1129	-1	-1	-1	-10	3	-1	79.092	30.6	31.2	4.29	53.83
1131	500559	5252708	96-SMH-1131	-0.6	-0.6	-0.6	-6	5	4	99.855	24.6	32.7	8.53	53.55
1132	503808	5256926	96-SMH-1132	-1	2	-1	-10	3	-1	35.42	33.6	46.6	6.73	66.88
1133	503362	5258037	96-SMH-1133	-1	5	-1	-10	3	-1	25.061	25.8	27.5	5.39	71.77
1134	502691	5259169	96-SMH-1134	-1	2	-1	-10	3	-1	27.765	37.8	59.9	3.79	53.06
1135	497086	5257401	96-SMH-1135	-0.6	3.0	0.6	-6	5	3	41.071	41.9	132.6	6.59	40.53
1136	493363	5260013	96-SMH-1136	-0.6	9.5	4.0	-6	5	3	72.642	38.5	235.6	11.54	44.08
1137	490586	5258366	96-SMH-1137	N/A	N/A	N/A	N/A	N/A	-1	16.88	22.2	48.4	2.86	68.35
1138	492387	5258344	96-SMH-1138	-1	-1	-1	-10	3	-1	13.077	9.6	10.5	0.64	91.65
1139	492280	5257806	96-SMH-1139	-0.6	3.5	1.3	-6	5	3	44.977	52.9	100.4	9.62	47.87
1141	491697	5256661	96-SMH-1141	N/A	N/A	N/A	N/A	N/A	-1	36.669	57.9	94.1	5.23	51.41
1142	490452	5256529	96-SMH-1142	-0.6	0.6	-0.6	-6	5	-1	14.782	20.1	39.7	4.19	50.70
1143	490645	5255723	96-SMH-1143	-0.6	1.0	-0.6	-6	5	6	33.917	20.8	45.0	11.96	52.74
1144	491407	5256198	96-SMH-1144	N/A	N/A	N/A	N/A	N/A	-1	23.527	28.6	61.2	5.13	66.46
1145	491949	5256263	96-SMH-1145	-0.6	0.9	-0.6	-6	5	-1	31.037	29.1	69.7	6.31	56.26
1146	491584	5255676	96-SMH-1146	N/A	N/A	N/A	N/A	N/A	2	27.683	36.1	40.2	3.52	55.43
1147	491723	5255091	96-SMH-1147	-1	-1	-1	-10	3	-1	20.335	27.5	44.6	6.99	57.40
1148	490916	5252604	96-SMH-1148	N/A	N/A	N/A	N/A	N/A	-1	11.849	13.6	41.4	4.49	45.55
1151	491629	5250597	96-SMH-1151	-1	1	-1	-10	3	3	160.783	17.8	24.7	3.83	51.33
1152	493371	5250282	96-SMH-1152	-0.6	-0.6	-0.6	-6	5	-1	17.263	15.1	36.6	3.77	67.05
1153	492000	5252088	96-SMH-1153	-1	2	3	-10	3	-1	28.158	20.4	16.6	2.08	75.53
1154	492880	5251738	96-SMH-1154	-1	3	-1	-10	3	-1	39.291	11.1	22.1	2.80	61.64
1156	493732	5253319	96-SMH-1156	N/A	N/A	N/A	N/A	N/A	-1	21.443	16.3	22.8	3.72	33.55
1157	496080	5254157	96-SMH-1157	N/A	N/A	N/A	N/A	N/A	-1	22.632	25.4	44.4	3.68	35.89
1158	497634	5254018	96-SMH-1158	-0.6	-0.6	-0.6	-6	5	-1	13.695	12.5	14.6	2.74	68.59
1159	498408	5253481	96-SMH-1159	N/A	N/A	N/A	N/A	N/A	-1	20.173	17.2	35.2	5.07	19.65
1161	498420	5253108	96-SMH-1161	N/A	N/A	N/A	N/A	N/A	-1	24.01	15.4	35.3	5.60	38.40
1162	498736	5252498	96-SMH-1162	N/A	N/A	N/A	N/A	N/A	2	50.718	17.6	26.0	4.38	34.75
1163	498307	5251948	96-SMH-1163	N/A	N/A	N/A	N/A	N/A	3	13.307	16.5	37.7	4.97	25.50
1164	498588	5251154	96-SMH-1164	N/A	N/A	N/A	N/A	N/A	-1	12.993	16.6	33.5	4.46	19.42
1165	497760	5247923	96-SMH-1165	N/A	N/A	N/A	N/A	N/A	-1	43.023	17.5	21.7	3.15	58.67
1166	498623	5247073	96-SMH-1166	N/A	N/A	N/A	N/A	N/A	-1	64.335	30.4	50.3	10.55	22.78
1167	501959	5248306	96-SMH-1167	N/A	N/A	N/A	N/A	N/A	-1	23.092	21.2	36.9	7.27	27.15
1169	505687	5246498	96-SMH-1169	N/A	N/A	N/A	N/A	N/A	-1	24.992	19.6	52.8	7.78	44.05
1171	505238	5246422	96-SMH-1171	N/A	N/A	N/A	N/A	N/A	4	21.856	26.4	51.0	9.34	13.35
1172	504863	5247760	96-SMH-1172	N/A	N/A	N/A	N/A	N/A	3	34.178	29.5	51.7	14.54	24.62
1173	504553	5248764	96-SMH-1173	N/A	N/A	N/A	N/A	N/A	5	30.688	26.7	51.1	15.32	26.14
1174	503976	5249324	96-SMH-1174	N/A	N/A	N/A	N/A	N/A	-1	42.147	23.3	44.5	8.59	39.73
1175	503530	5250164	96-SMH-1175	N/A	N/A	N/A	N/A	N/A	6	34.016	24.9	50.6	15.93	23.02
1176	504014	5250612	96-SMH-1176	N/A	N/A	N/A	N/A	N/A	4	32.995	26.9	53.1	20.38	22.15
1177	506822	5255175	96-SMH-1177	N/A	N/A	N/A	N/A	N/A	1	20.272	23.6	31.4	4.45	39.53
1178	508321	5256949	96-SMH-1178	-0.6	0.7	-0.6	-6	5	-1	11.956	18.2	24.6	3.78	43.52
1181	511895	5264313	96-SMH-1181	-1	1	-1	-10	3	-1	32.105	23.9	17.0	4.82	59.67
1182	511579	5262652	96-SMH-1182	-1	1	-1	-10	3	-1	50.574	23.1	27.9	6.86	64.04
1183	504450	5260250	96-SMH-1183	N/A	N/A	N/A	N/A	N/A	4	74.982	22.0	56.0	3.45	29.96
1184	501981	5260344	96-SMH-1184	-1	3	-1	-10	3	-1	50.832	37.0	52.7	4.34	56.26
1185	502008	5259761	96-SMH-1185	-1	-1	-1	-10	3	-1	10.406	9.6	18.6	1.14	29.64
1186	501520	5259571	96-SMH-1186	-0.6	1.2	0.8	-6	5	4	78.539	28.3	45.9	6.56	35.73
1187	504721	5259322	96-SMH-1187	N/A	N/A	N/A	N/A	N/A	28	87.32	54.7	69.6	12.08	36.13
1188	505150	5258884	96-SMH-1188	N/A	N/A	N/A	N/A	N/A	5	45.031	32.0	57.8	32.32	51.19
1189	505540	5257843	96-SMH-1189	N/A	N/A	N/A	N/A	N/A	-1	76.546	44.2	94.8	19.41	53.59

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method------------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units--------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
1191	506222	5257025	96-SMH-1191	N/A	N/A	N/A	N/A	N/A	-1	20.379	13.7	25.3	2.04	60.93
1192	506132	5256363	96-SMH-1192	-1	2	-1	-10	3	-1	27.143	38.6	61.1	4.65	58.46
1193	505158	5256251	96-SMH-1193	N/A	N/A	N/A	N/A	N/A	-1	25.975	22.6	49.7	7.84	45.22
1194	504702	5256542	96-SMH-1194	-1	1	-1	-10	3	-1	35.032	22.2	36.3	3.62	67.26
1195	504480	5255499	96-SMH-1195	-1	-1	-1	-10	3	-1	15.324	19.6	30.0	3.24	73.27
1196	505355	5255021	96-SMH-1196	N/A	N/A	N/A	N/A	N/A	-1	25.268	26.0	55.0	8.34	37.55
1197	504848	5254279	96-SMH-1197	N/A	N/A	N/A	N/A	N/A	-1	17.492	16.8	22.6	3.34	56.91
1198	506194	5253461	96-SMH-1198	-1	-1	-1	-10	3	-1	13.618	33.7	55.7	2.06	81.07
1199	505581	5253342	96-SMH-1199	-0.6	3.6	0.9	-6	5	1	163.493	39.7	34.8	3.95	29.21
1201	504235	5253407	96-SMH-1201	-1	-1	-1	-10	3	-1	32.882	27.0	39.3	6.44	63.83
1202	500641	5254263	96-SMH-1202	-0.6	-0.6	-0.6	-6	5	-1	26.734	12.5	9.4	1.34	38.37
1205	500325	5251933	96-SMH-1205	N/A	N/A	N/A	N/A	N/A	-1	62.292	16.0	9.9	1.42	74.70
1206	502496	5252030	96-SMH-1206	N/A	N/A	N/A	N/A	N/A	-1	43.894	23.5	27.2	6.73	56.12
1207	504784	5251189	96-SMH-1207	N/A	N/A	N/A	N/A	N/A	-1	32.12	36.8	49.5	7.13	29.43
1208	505001	5249762	96-SMH-1208	-1	-1	-1	-10	3	3	34.528	15.2	26.2	4.39	60.06
1209	507243	5250176	96-SMH-1209	-1	-1	1	-10	3	4	94.441	41.1	43.2	3.55	62.47
1211	507789	5250476	96-SMH-1211	-0.6	-0.6	-0.6	-6	5	-1	32.406	13.6	17.5	3.80	59.16
1212	507358	5250706	96-SMH-1212	N/A	N/A	N/A	N/A	N/A	-1	30.143	14.5	17.7	2.87	50.40
1213	506606	5250673	96-SMH-1213	-0.6	1.0	-0.6	-6	5	3	27.836	18.8	35.0	17.66	62.64
1214	506318	5250944	96-SMH-1214	-0.6	0.8	0.7	-6	5	-1	35.075	18.3	24.4	5.21	48.08
1215	507890	5258224	96-SMH-1215	-1	1	-1	-10	3	-1	45.579	23.0	40.8	6.92	51.42
1216	507765	5256206	96-SMH-1216	N/A	N/A	N/A	N/A	N/A	-1	12.59	21.6	34.8	5.28	25.66
1217	508712	5255581	96-SMH-1217	N/A	N/A	N/A	N/A	N/A	-1	42.081	19.4	21.3	6.29	62.96
1218	509294	5255823	96-SMH-1218	-1	-1	-1	-10	3	-1	25.662	30.2	43.1	7.56	60.16
1219	508851	5254325	96-SMH-1219	-0.6	-0.6	-0.6	-6	5	1	41.778	16.2	21.9	17.69	66.62
1221	507253	5254379	96-SMH-1221	-0.6	0.7	-0.6	-6	5	-1	23.613	18.9	37.6	4.08	46.87
1222	506989	5253294	96-SMH-1222	N/A	N/A	N/A	N/A	N/A	1	26.618	16.3	26.3	5.74	44.63
1223	507506	5253628	96-SMH-1223	-1	2	-1	-10	3	2	74.554	22.3	36.9	10.49	55.56
1224	508586	5253549	96-SMH-1224	-0.6	0.7	-0.6	-6	5	2	30.825	18.3	54.3	10.12	43.65
1225	508252	5253865	96-SMH-1225	-0.6	1.0	0.6	-6	5	2	37.646	17.7	54.5	10.19	48.27
1226	506530	5252041	96-SMH-1226	N/A	N/A	N/A	N/A	N/A	5	38.986	33.6	67.1	14.46	36.61
1227	505828	5251487	96-SMH-1227	-1	1	-1	-10	3	-1	43.005	20.0	40.9	15.21	56.73
1228	507000	5251096	96-SMH-1228	-1	3	-1	-10	3	4	90.442	36.6	52.8	7.68	54.58
1229	507134	5251641	96-SMH-1229	-0.6	0.8	-0.6	-6	5	1	42.022	30.9	58.2	8.24	38.81
1231	507424	5252356	96-SMH-1231	-0.6	0.7	0.6	-6	5	N/A	41.56	21.1	49.8	10.05	46.09
1233	508710	5251973	96-SMH-1233	N/A	N/A	N/A	N/A	N/A	-1	7.09	11.7	21.4	1.28	22.31
1234	513509	5252050	96-SMH-1234	-0.6	-0.6	-0.6	-6	5	8	49.914	21.0	40.8	58.76	58.18
1235	515062	5252117	96-SMH-1235	N/A	N/A	N/A	N/A	N/A	3	26.794	18.6	27.4	9.96	42.60
1236	516660	5247891	96-SMH-1236	-0.6	-0.6	-0.6	-6	5	2	54.22	17.8	29.5	6.28	46.28
1237	516488	5248447	96-SMH-1237	N/A	N/A	N/A	N/A	N/A	-1	35.218	20.9	15.1	4.35	49.52
1238	515754	5249678	96-SMH-1238	-0.6	-0.6	-0.6	-6	5	3	32.273	18.5	13.8	4.11	40.77
1239	517652	5249812	96-SMH-1239	N/A	N/A	N/A	N/A	N/A	-1	30.338	14.6	23.5	4.81	34.65
1241	517794	5250579	96-SMH-1241	N/A	N/A	N/A	N/A	N/A	1	19.27	15.1	22.1	3.22	36.34
1242	518736	5251716	96-SMH-1242	-0.6	-0.6	-0.6	-6	5	-1	28.045	20.3	25.9	1.88	56.92
1243	518166	5252399	96-SMH-1243	N/A	N/A	N/A	N/A	N/A	-1	13.476	15.5	18.3	2.32	25.17
1244	518585	5252762	96-SMH-1244	-0.6	-0.6	-0.6	-6	5	-1	27.3	17.1	31.8	13.21	39.84
1245	517905	5252551	96-SMH-1245	N/A	N/A	N/A	N/A	N/A	2	16.095	17.9	26.7	3.36	24.41
1246	517052	5252440	96-SMH-1246	N/A	N/A	N/A	N/A	N/A	1	14.207	7.8	10.2	1.27	33.47
1247	516414	5252608	96-SMH-1247	-0.6	-0.6	-0.6	-6	5	1	14.522	13.4	21.7	4.04	27.19
1248	516409	5253760	96-SMH-1248	N/A	N/A	N/A	N/A	N/A	3	14.156	10.1	10.0	3.16	32.38
1249	516729	5254581	96-SMH-1249	N/A	N/A	N/A	N/A	N/A	4	20.226	10.9	13.6	3.79	35.12

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method--------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units---------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
1251	517889	5257526	96-SMH-1251	N/A	N/A	N/A	N/A	N/A	3	119.84	17.3	24.3	4.36	46.53
1252	520122	5260067	96-SMH-1252	N/A	N/A	N/A	N/A	N/A	-1	13.495	15.8	20.1	4.07	58.39
1253	518287	5256464	96-SMH-1253	N/A	N/A	N/A	N/A	N/A	6	104.991	55.3	48.8	135.49	35.66
1254	517466	5256371	96-SMH-1254	N/A	N/A	N/A	N/A	N/A	-1	53.471	28.2	38.7	72.19	21.23
1255	518986	5254677	96-SMH-1255	N/A	N/A	N/A	N/A	N/A	4	15.349	18.0	23.7	2.38	29.41
1256	518792	5255131	96-SMH-1256	-0.6	-0.6	-0.6	-6	5	3	21.503	16.2	18.0	3.18	32.47
1257	518336	5253911	96-SMH-1257	N/A	N/A	N/A	N/A	N/A	6	25.548	12.8	22.2	3.45	65.05
1258	517266	5254359	96-SMH-1258	N/A	N/A	N/A	N/A	N/A	-1	39.652	15.3	22.7	6.58	50.53
1259	515594	5253717	96-SMH-1259	N/A	N/A	N/A	N/A	N/A	4	21.72	20.7	21.9	4.18	33.28
1261	515425	5254390	96-SMH-1261	-0.6	2.5	-0.6	-6	5	3	18.593	16.9	16.5	2.86	34.30
1262	514443	5254487	96-SMH-1262	-0.6	-0.6	-0.6	-6	5	-1	24.341	14.5	16.5	3.82	42.54
1263	513972	5253624	96-SMH-1263	-1	1	-1	-10	3	4	38.363	20.6	30.0	6.93	54.36
1265	513235	5257999	96-SMH-1265	N/A	N/A	N/A	N/A	N/A	2	20.222	20.1	18.4	3.24	30.97
1267	511770	5258350	96-SMH-1267	-1	2	-1	-10	3	-1	28.974	15.7	19.9	6.57	41.79
1268	511716	5259148	96-SMH-1268	-0.6	0.7	-0.6	-6	5	2	29.426	18.0	16.7	3.31	40.25
1269	511472	5260025	96-SMH-1269	-0.6	-0.6	-0.6	-6	5	-1	27.575	29.2	44.0	3.18	39.97
1271	512181	5259510	96-SMH-1271	-1	1	-1	-10	3	-1	28.774	18.1	27.2	7.13	63.50
1272	516228	5257451	96-SMH-1272	-0.6	4.0	-0.6	-6	5	3	43.805	18.1	21.1	7.34	28.14
1273	514399	5261533	96-SMH-1273	-1	-1	-1	-10	3	-1	58.423	28.3	29.6	5.83	59.90
1274	513316	5262486	96-SMH-1274	N/A	N/A	N/A	N/A	N/A	2	34.563	18.5	23.5	5.20	37.50
1275	516697	5261771	96-SMH-1275	-1	-1	-1	-10	3	-1	17.092	17.9	31.4	3.99	52.55
1276	516896	5262333	96-SMH-1276	-1	-1	-1	16	3	1	54.737	38.4	12.5	3.32	63.18
1277	516305	5264064	96-SMH-1277	-1	5	1	-10	3	3	346.49	23.7	19.4	7.51	72.47
1278	513394	5267461	96-SMH-1278	-0.6	0.7	-0.6	-6	5	-1	30.995	19.2	21.0	5.36	54.62
1279	512895	5268121	96-SMH-1279	-1	-1	-1	-10	3	-1	39.41	12.9	10.1	2.22	57.29
1282	514544	5268243	96-SMH-1282	N/A	N/A	N/A	N/A	N/A	3	21.925	17.5	33.4	9.07	33.86
1283	523060	5246437	96-SMH-1283	N/A	N/A	N/A	N/A	N/A	3	59.726	32.9	46.1	23.80	14.88
1284	522465	5247742	96-SMH-1284	N/A	N/A	N/A	N/A	N/A	-1	32.464	19.8	25.9	7.33	8.81
1285	523229	5248424	96-SMH-1285	N/A	N/A	N/A	N/A	N/A	-1	59.293	29.9	51.5	12.14	10.05
1286	523413	5249925	96-SMH-1286	N/A	N/A	N/A	N/A	N/A	2	30.611	22.3	34.7	8.12	8.20
1287	524382	5250426	96-SMH-1287	N/A	N/A	N/A	N/A	N/A	-1	26.536	18.5	29.7	6.94	4.96
1288	523663	5251848	96-SMH-1288	N/A	N/A	N/A	N/A	N/A	-1	25.909	22.6	36.6	6.98	21.27
1289	523253	5252493	96-SMH-1289	-0.6	1.5	1.1	-6	5	2	75.142	24.4	40.8	8.70	31.90
1291	522829	5254278	96-SMH-1291	N/A	N/A	N/A	N/A	N/A	4	347	27.9	76.4	10.68	13.19
1292	521765	5254851	96-SMH-1292	N/A	N/A	N/A	N/A	N/A	2	20.912	34.0	52.7	10.40	16.00
1293	521685	5255301	96-SMH-1293	N/A	N/A	N/A	N/A	N/A	-1	25.3	25.9	44.6	17.99	26.43
1295	524347	5280758	96-SMH-1295	-0.6	1.1	-0.6	-6	5	-1	107.508	19.5	24.9	4.36	50.32
1297	500600	5279350	96-SMH-1297	-0.6	1.0	0.7	-6	5	-1	46.039	30.8	58.0	6.55	41.66
1298	501550	5280700	96-SMH-1298	N/A	N/A	N/A	N/A	N/A	4	95.22	55.5	78.3	17.94	34.91
1301	501150	5284800	96-SMH-1301	-0.6	1.6	0.9	-6	5	3	71.657	41.5	55.6	9.53	33.63
1302	501600	5286600	96-SMH-1302	N/A	N/A	N/A	N/A	N/A	-1	54.926	31.2	46.4	5.43	32.62
1303	502050	5288200	96-SMH-1303	-0.6	1.7	0.8	-6	5	-1	54.302	34.5	56.0	6.27	34.66
1304	502500	5288950	96-SMH-1304	-0.6	1.8	1.1	-6	5	-1	72.945	57.8	62.3	19.28	33.72
1305	503200	5288200	96-SMH-1305	-0.6	1.4	0.8	-6	5	-1	49.557	34.2	65.1	5.66	28.26
1306	503350	5289525	96-SMH-1306	-0.6	2.1	1.2	-6	5	1	80.194	62.1	59.0	17.36	30.01
1307	503300	5291100	96-SMH-1307	N/A	N/A	N/A	N/A	N/A	-1	61.013	44.0	49.1	11.02	17.83
1308	503100	5291700	96-SMH-1308	-0.6	1.4	0.9	-6	5	2	64.252	36.1	66.6	9.69	31.94
1309	504000	5292750	96-SMH-1309	-0.6	2.5	1.3	-6	5	3	79.557	59.3	77.9	24.75	29.80
1311	504400	5294300	96-SMH-1311	-0.6	1.8	1.0	-6	5	-1	67.05	42.5	74.8	20.23	32.70
1312	505050	5296050	96-SMH-1312	N/A	N/A	N/A	N/A	N/A	-1	50.965	31.2	61.0	8.66	33.03
1313	505800	5297000	96-SMH-1313	-0.6	1.6	1.0	-6	5	-1	45.45	34.1	62.0	13.45	28.34

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method----------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units----------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
1314	506450	5298400	96-SMH-1314	N/A	N/A	N/A	N/A	N/A	2	42.354	31.1	65.1	11.59	31.18
1315	507800	5299350	96-SMH-1315	N/A	N/A	N/A	N/A	N/A	-1	25.532	27.7	56.3	6.66	24.93
1316	520456	5279241	96-SMH-1316	N/A	N/A	N/A	N/A	N/A	-1	53.599	19.4	15.6	3.23	48.09
1317	523030	5277940	96-SMH-1317	-0.6	-0.6	-0.6	-6	5	3	39.551	20.0	25.0	3.91	44.31
1319	521979	5277236	96-SMH-1319	N/A	N/A	N/A	N/A	N/A	-1	99.108	16.1	14.4	5.76	56.56
1321	520516	5275158	96-SMH-1321	N/A	N/A	N/A	N/A	N/A	3	25.639	11.1	10.8	3.82	71.78
1322	512639	5280304	96-SMH-1322	N/A	N/A	N/A	N/A	N/A	-1	104.643	18.7	22.3	6.96	60.14
1323	513401	5281152	96-SMH-1323	-1	2	-1	-10	3	-1	54.971	21.6	24.6	2.59	61.93
1324	513207	5281807	96-SMH-1324	N/A	N/A	N/A	N/A	N/A	2	75.168	11.6	20.3	1.97	23.40
1325	512884	5282739	96-SMH-1325	-1	-1	-1	-10	3	-1	105.558	19.4	22.5	4.34	42.11
1327	526320	5277325	96-SMH-1327	-0.6	1.4	-0.6	-6	5	-1	39.036	17.4	24.3	3.35	54.60
1329	538639	5286876	96-SMH-1329	N/A	N/A	N/A	N/A	N/A	-1	6.433	9.3	17.7	1.88	13.42
1332	543873	5290076	96-SMH-1332	-1	1	-1	-10	3	2	32.562	13.9	14.9	2.57	50.44
1333	504526	5287049	96-SMH-1333	-1	1	-1	-10	3	-1	88.199	26.1	21.4	3.46	55.65
1334	503238	5295175	96-SMH-1334	-0.6	-0.6	-0.6	-6	5	5	96.378	47.8	52.6	12.02	39.29
1335	503012	5293818	96-SMH-1335	-0.6	1.8	1.0	-6	5	2	51.821	63.2	44.6	9.20	31.77
1337	531055	5261154	96-SMH-1337	-1	1	-1	-10	3	4	29.886	18.2	34.2	6.62	42.70
1338	530687	5260773	96-SMH-1338	-0.6	0.9	-0.6	-6	5	-1	28.956	16.5	27.4	2.26	45.54
1339	529536	5261817	96-SMH-1339	N/A	N/A	N/A	N/A	N/A	-1	51.791	32.0	51.8	17.22	55.72
1341	529130	5260989	96-SMH-1341	N/A	N/A	N/A	N/A	N/A	2	35.294	31.5	47.5	12.35	47.10
1342	528317	5259953	96-SMH-1342	N/A	N/A	N/A	N/A	N/A	-1	12.921	10.8	16.1	1.51	82.47
1343	528231	5261455	96-SMH-1343	N/A	N/A	N/A	N/A	N/A	-1	48.467	33.0	50.5	17.35	51.43
1344	528204	5260651	96-SMH-1344	N/A	N/A	N/A	N/A	N/A	-1	28.486	17.6	23.9	9.17	52.27
1345	527670	5260479	96-SMH-1345	N/A	N/A	N/A	N/A	N/A	1	57.68	36.5	55.7	10.85	48.41
1346	530910	5260519	96-SMH-1346	N/A	N/A	N/A	N/A	N/A	4	42.187	20.9	44.1	10.08	48.50
1347	531288	5260982	96-SMH-1347	N/A	N/A	N/A	N/A	N/A	2	37.034	20.3	26.7	3.22	63.17
1348	504545	5276524	96-SMH-1348	N/A	N/A	N/A	N/A	N/A	-1	16.252	20.4	39.4	7.53	17.97
1349	503950	5279200	96-SMH-1349	N/A	N/A	N/A	N/A	N/A	-1	25.701	30.9	52.1	9.63	24.86
1351	503950	5281350	96-SMH-1351	N/A	N/A	N/A	N/A	N/A	2	25.889	30.9	46.3	12.08	16.85
1352	504494	5283983	96-SMH-1352	N/A	N/A	N/A	N/A	N/A	-1	24.766	33.3	45.6	12.30	13.46
1353	504443	5284916	96-SMH-1353	-0.6	1.2	-0.6	-6	5	2	33.553	34.3	29.1	4.05	51.26
1354	505472	5284867	96-SMH-1354	N/A	N/A	N/A	N/A	N/A	5	20.767	27.4	60.4	7.25	17.32
1355	506634	5285117	96-SMH-1355	N/A	N/A	N/A	N/A	N/A	-1	32.781	35.9	42.8	15.89	14.68
1356	507654	5285407	96-SMH-1356	N/A	N/A	N/A	N/A	N/A	-1	15.435	23.4	24.5	11.69	5.36
1357	507541	5287195	96-SMH-1357	-0.6	1.5	-0.6	-6	5	-1	36.018	12.9	19.4	2.75	39.89
1358	507911	5287368	96-SMH-1358	N/A	N/A	N/A	N/A	N/A	3	20.662	25.9	48.1	5.91	24.78
1361	508152	5289181	96-SMH-1361	N/A	N/A	N/A	N/A	N/A	-1	18.761	19.1	25.9	8.60	8.40
1362	510400	5272550	96-SMH-1362	N/A	N/A	N/A	N/A	N/A	-1	18.276	26.2	42.4	7.20	12.12
1363	510750	5271500	96-SMH-1363	N/A	N/A	N/A	N/A	N/A	-1	21.468	29.0	47.9	8.38	13.10
1364	511500	5271550	96-SMH-1364	N/A	N/A	N/A	N/A	N/A	-1	13.17	20.7	33.3	7.21	6.28
1365	511950	5270650	96-SMH-1365	N/A	N/A	N/A	N/A	N/A	-1	18.342	21.2	31.7	7.40	10.63
1366	512200	5270300	96-SMH-1366	-1	2	-1	-10	3	1	52.357	46.4	69.7	10.71	35.95
1367	512300	5269750	96-SMH-1367	N/A	N/A	N/A	N/A	N/A	2	42.141	40.9	25.7	6.11	67.94
1368	511600	5269750	96-SMH-1368	N/A	N/A	N/A	N/A	N/A	2	31.659	34.3	56.7	8.79	19.59
1369	511000	5269350	96-SMH-1369	-1	2	-1	-10	3	-1	81.703	41.5	45.4	10.65	37.41
1371	511150	5270500	96-SMH-1371	N/A	N/A	N/A	N/A	N/A	1	32.948	34.7	55.9	10.34	19.24
1372	515011	5269686	96-SMH-1372	N/A	N/A	N/A	N/A	N/A	-1	22.831	21.3	18.4	8.69	31.58
1373	513585	5269192	96-SMH-1373	-0.6	1.5	1.0	-6	5	4	53.816	34.9	51.8	13.00	40.55
1374	508234	5269329	96-SMH-1374	-0.6	0.9	-0.6	-6	5	-1	46.964	17.2	27.5	5.92	45.86
1375	506084	5269053	96-SMH-1375	-0.6	1.1	-0.6	-6	5	-1	35.234	21.7	32.2	5.72	42.15
1376	505342	5267662	96-SMH-1376	N/A	N/A	N/A	N/A	N/A	-1	14.6	24.1	51.5	6.02	17.54

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method----------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units-------------->	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
1377	505010	5267290	96-SMH-1377	N/A	N/A	N/A	N/A	N/A	-1	10.215	17.3	35.2	4.39	12.48
1378	500574	5268069	96-SMH-1378	N/A	N/A	N/A	N/A	N/A	-1	13.583	21.1	36.7	5.85	12.02
1379	500277	5269011	96-SMH-1379	N/A	N/A	N/A	N/A	N/A	2	19.475	27.7	49.8	5.97	20.14
1382	494431	5266683	96-SMH-1382	N/A	N/A	N/A	N/A	N/A	-1	17.928	29.5	58.4	7.73	20.90
1384	495048	5263969	96-SMH-1384	N/A	N/A	N/A	N/A	N/A	-1	21.647	27.6	38.4	9.71	46.21
1385	489502	5254651	96-SMH-1385	N/A	N/A	N/A	N/A	N/A	-1	21.683	21.7	100.6	11.51	38.40
1386	489257	5253516	96-SMH-1386	N/A	N/A	N/A	N/A	N/A	-1	22.446	27.0	84.2	16.90	34.17
1387	489696	5253475	96-SMH-1387	N/A	N/A	N/A	N/A	N/A	2	16.945	16.3	48.9	10.37	56.75
1388	489199	5252077	96-SMH-1388	-1	-1	-1	-10	3	-1	11.802	16.7	31.9	2.63	71.30
1389	489237	5251220	96-SMH-1389	N/A	N/A	N/A	N/A	N/A	-1	19.597	19.5	72.4	5.32	17.07
1391	489565	5249535	96-SMH-1391	N/A	N/A	N/A	N/A	N/A	-1	33.926	28.4	90.1	11.70	45.14
1392	489878	5247012	96-SMH-1392	N/A	N/A	N/A	N/A	N/A	4	31.66	23.4	80.2	10.98	30.41
1393	489701	5244535	96-SMH-1393	N/A	N/A	N/A	N/A	N/A	1	16.623	19.2	35.2	3.72	19.57
1394	490026	5244348	96-SMH-1394	-0.6	-0.6	-0.6	15	5	-1	22.238	17.9	51.5	6.89	32.40
1395	489312	5243596	96-SMH-1395	-1	-1	-1	-10	3	1	32.785	23.5	34.1	1.78	65.44
1396	489868	5243307	96-SMH-1396	N/A	N/A	N/A	N/A	N/A	-1	58.448	32.8	90.0	10.89	39.38
1397	489633	5242530	96-SMH-1397	-1	13	10	-10	3	3	79.035	34.4	79.6	3.40	50.50
1398	489473	5241809	96-SMH-1398	N/A	N/A	N/A	N/A	N/A	-1	44.516	20.9	59.8	6.38	36.63
1399	491744	5246684	96-SMH-1399	N/A	N/A	N/A	N/A	N/A	-1	64.396	21.6	22.7	2.19	65.88
1403	488533	5252982	96-SMH-1403	N/A	N/A	N/A	N/A	N/A	-1	10.124	13.9	19.1	5.62	83.85
1404	489092	5258341	96-SMH-1404	-1	2	-1	-10	3	-1	11.364	18.5	29.7	1.98	51.74
1405	489164	5258758	96-SMH-1405	-0.6	-0.6	-0.6	-6	5	-1	13.68	18.9	29.3	1.71	55.93
1407	503373	5262734	96-SMH-1407	N/A	N/A	N/A	N/A	N/A	5	33.636	27.6	107.3	3.49	16.13
1408	504762	5260588	96-SMH-1408	N/A	N/A	N/A	N/A	N/A	4	28.567	30.9	47.3	7.29	48.30
1409	505629	5263169	96-SMH-1409	-0.6	-0.6	-0.6	-6	5	3	40.84	21.2	28.3	3.08	71.18
1411	504386	5264057	96-SMH-1411	N/A	N/A	N/A	N/A	N/A	2	22.929	32.2	44.6	9.86	15.71
1412	504250	5265071	96-SMH-1412	N/A	N/A	N/A	N/A	N/A	3	100.966	61.7	109.8	2.76	20.11
1413	504286	5265466	96-SMH-1413	N/A	N/A	N/A	N/A	N/A	3	38.779	29.2	58.9	2.74	12.81
1414	505042	5265163	96-SMH-1414	N/A	N/A	N/A	N/A	N/A	-1	10.642	14.1	20.0	0.83	87.66
1415	505235	5266149	96-SMH-1415	N/A	N/A	N/A	N/A	N/A	-1	23.449	33.0	45.6	7.05	15.36
1416	504731	5266224	96-SMH-1416	-0.6	1.5	0.6	-6	5	1	24.84	19.9	41.0	4.50	31.33
1417	504552	5266710	96-SMH-1417	N/A	N/A	N/A	N/A	N/A	3	22.679	25.4	51.1	6.23	15.23
1418	504390	5267463	96-SMH-1418	-0.6	1.4	0.6	-6	5	3	27.693	27.7	46.2	5.13	28.90
1419	504240	5268076	96-SMH-1419	N/A	N/A	N/A	N/A	N/A	-1	32.518	37.1	63.2	6.70	35.43
1421	504093	5268604	96-SMH-1421	N/A	N/A	N/A	N/A	N/A	2	32.049	44.7	70.2	10.91	19.70
1422	511891	5267783	96-SMH-1422	N/A	N/A	N/A	N/A	N/A	-1	40.301	25.8	35.4	8.51	64.29
1423	511127	5268015	96-SMH-1423	-1	2	-1	-10	3	-1	26.951	15.8	14.9	4.68	64.32
1424	510558	5268096	96-SMH-1424	N/A	N/A	N/A	N/A	N/A	-1	31.117	18.2	14.5	5.22	65.77
1425	509046	5267919	96-SMH-1425	N/A	N/A	N/A	N/A	N/A	4	35.876	32.0	28.4	6.09	62.87
1426	509638	5267140	96-SMH-1426	-1	2	-1	-10	3	-1	27.778	29.2	34.6	8.13	46.69
1427	507547	5266589	96-SMH-1427	N/A	N/A	N/A	N/A	N/A	-1	37.261	22.3	25.4	6.47	64.67
1428	506788	5267163	96-SMH-1428	N/A	N/A	N/A	N/A	N/A	-1	43.185	13.9	28.6	6.67	14.92
1429	506773	5264543	96-SMH-1429	N/A	N/A	N/A	N/A	N/A	3	54.664	24.0	34.6	8.14	55.77
1431	507900	5264805	96-SMH-1431	N/A	N/A	N/A	N/A	N/A	4	28.726	13.9	11.4	3.11	57.85
1432	506962	5262860	96-SMH-1432	-0.6	-0.6	-0.6	-6	5	-1	22.854	23.1	36.3	3.50	38.16
1433	507194	5262266	96-SMH-1433	N/A	N/A	N/A	N/A	N/A	1	127.571	15.6	69.7	3.69	51.32
1434	508497	5263591	96-SMH-1434	-0.6	-0.6	-0.6	-6	5	-1	35.897	14.0	17.5	3.77	59.96
1435	509792	5264596	96-SMH-1435	-1	1	-1	-10	3	-1	32.305	18.4	26.5	4.64	48.49
1437	510436	5265738	96-SMH-1437	N/A	N/A	N/A	N/A	N/A	3	32.211	16.8	25.7	3.09	70.97
1439	513478	5253101	96-SMH-1439	-1	2	-1	-10	3	1	51.831	16.6	23.8	3.02	70.17
1441	516837	5251962	96-SMH-1441	N/A	N/A	N/A	N/A	N/A	4	19.674	16.6	32.3	3.32	39.00

Site	Easting	Northing	Sample Number	*Rh	Pd	Pt	Au	Sample	Au	Cu	Ni	Cr	Co	LOI
	NAD 27 UTM Zone 17		Method----------->	FA/ICP-MS					INAA	ICP-MS				Grav.
			Units------------>	ppb	ppb	ppb	ppb	g	ppb	ppm	ppm	ppm	ppm	%
			Detection Limit->	0.3	0.3	0.3	3		1	0.002	0.2	0.3	0.02	0.01
									Previously Released Geochemical Data from MRD-31					
1442	519386	5254954	96-SMH-1442	-1	3	-1	-10	3	-1	16.562	12.6	14.6	1.50	66.95
1443	532407	5256676	96-SMH-1443	N/A	N/A	N/A	N/A	N/A	-1	14.085	14.0	25.2	2.13	27.26
1445	534279	5255510	96-SMH-1445	-0.6	-0.6	-0.6	-6	5	-1	36.352	15.2	42.0	4.40	49.09
1446	533941	5253199	96-SMH-1446	N/A	N/A	N/A	N/A	N/A	10	13.928	12.6	24.6	3.24	23.98
1447	534502	5256456	96-SMH-1447	-0.6	0.6	-0.6	-6	5	4	38.231	17.1	45.9	3.22	64.53
1448	535821	5257281	96-SMH-1448	N/A	N/A	N/A	N/A	N/A	2	47.519	8.8	11.7	0.96	26.80
1449	533422	5259136	96-SMH-1449	-1	8	9	-10	3	1	26.938	11.6	13.5	2.32	55.70
1451	526761	5261282	96-SMH-1451	-1	1	-1	-10	3	-1	33.071	12.9	26.0	4.07	65.53
1452	529000	5262773	96-SMH-1452	N/A	N/A	N/A	N/A	N/A	1	32.046	16.0	46.1	1.90	80.09
1453	528543	5265173	96-SMH-1453	-1	2	2	-10	3	-1	24.136	19.7	41.7	1.99	63.81
1454	528011	5266182	96-SMH-1454	N/A	N/A	N/A	N/A	N/A	-1	19.21	12.4	24.8	1.37	36.77
1455	526898	5266040	96-SMH-1455	-0.6	3.0	0.9	-6	5	3	125.566	24.3	57.1	2.96	41.27
1456	526055	5266195	96-SMH-1456	N/A	N/A	N/A	N/A	N/A	3	19.499	22.9	37.7	2.62	72.41
1458	529800	5264500	96-SMH-1458	-1	3	1	-10	3	5	28.466	22.8	36.0	5.95	48.11
1459	529282	5264336	96-SMH-1459	N/A	N/A	N/A	N/A	N/A	-1	17.615	20.9	30.6	3.57	53.55
1461	529528	5265594	96-SMH-1461	-1	4	1	-10	3	10	26.283	14.3	20.1	3.62	39.26
1462	529325	5265053	96-SMH-1462	-1	3	1	-10	3	4	22.271	29.0	49.1	4.97	48.63
1463	530318	5264566	96-SMH-1463	N/A	N/A	N/A	N/A	N/A	-1	26.343	10.4	18.2	1.70	78.12
1464	530668	5264050	96-SMH-1464	N/A	N/A	N/A	N/A	N/A	-1	29.015	13.0	29.4	2.40	75.77
1465	531020	5263108	96-SMH-1465	N/A	N/A	N/A	N/A	N/A	-1	21.558	17.2	5.6	1.60	4.01
1466	530726	5262896	96-SMH-1466	-1	4	1	-10	3	7	22.751	19.4	29.9	4.20	38.06
1467	530393	5263590	96-SMH-1467	-1	4	1	-10	3	-1	31.037	21.8	39.2	5.38	49.35
1468	504210	5272805	96-SMH-1468	-1	3	1	-10	3	-1	62.847	74.2	40.0	2.12	57.33
1469	503791	5273369	96-SMH-1469	N/A	N/A	N/A	N/A	N/A	3	18.701	33.3	23.6	4.56	73.52
1471	502932	5275184	96-SMH-1471	N/A	N/A	N/A	N/A	N/A	2	26.346	40.6	74.5	8.37	17.67
1472	498554	5274182	96-SMH-1472	N/A	N/A	N/A	N/A	N/A	-1	24.88	66.1	27.1	3.85	83.61
1474	495283	5280258	96-SMH-1474	N/A	N/A	N/A	N/A	N/A	-1	79.754	21.3	37.0	2.02	32.56
1475	502407	5281927	96-SMH-1475	N/A	N/A	N/A	N/A	N/A	-1	25.72	20.5	25.4	7.44	25.64
1476	518553	5294005	96-SMH-1476	N/A	N/A	N/A	N/A	N/A	2	23.466	16.8	20.8	6.16	35.69
1477	518397	5297482	96-SMH-1477	-0.6	0.6	-0.6	-6	5	3	36.248	17.8	34.1	8.68	49.11
1478	522813	5299003	96-SMH-1478	-1	1	-1	-10	3	-1	56.963	22.2	24.6	4.15	49.53
1479	528999	5295483	96-SMH-1479	-1	1	-1	-10	3	-1	51.94	8.5	5.3	1.38	54.45
1481	523785	5295251	96-SMH-1481	-0.6	1.4	-0.6	-6	5	2	114.036	13.2	15.4	6.24	40.71
1482	524259	5293785	96-SMH-1482	N/A	N/A	N/A	N/A	N/A	-1	56.822	22.9	35.5	9.76	34.35
1484	521589	5282713	96-SMH-1484	N/A	N/A	N/A	N/A	N/A	-1	49.084	13.3	8.5	2.58	56.68
1485	520498	5283310	96-SMH-1485	-1	-1	-1	-10	3	-1	73.163	11.1	8.6	2.30	66.98
1486	522756	5276520	96-SMH-1486	-1	-1	-1	-10	3	2	44.553	10.7	6.1	3.51	67.61

Metric Conversion Table

Conversion from SI to Imperial			**Conversion from Imperial to SI**		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 023	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.307 951	cubic yards	1 cubic yard	0.764 554 86	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 962	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 747	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 622 6	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311 3	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 90**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

	Multiplied by	
1 ounce (troy) per ton (short)	31.103 477	grams per ton (short)
1 gram per ton (short)	0.032 151	ounces (troy) per ton (short)
1 ounce (troy) per ton (short)	20.0	pennyweights per ton (short)
1 pennyweight per ton (short)	0.05	ounces (troy) per ton (short)

Note: Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries, published by the Mining Association of Canada in co-operation with the Coal Association of Canada.

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